

1180

```

gaaaatagtg ttttgtagtt caacaactca agacgaagct tatttctgag gataagctct 1980
ttaaaggcaa agcttttattt tcatctctca tcttttgtcc tccttagcac aatgtaaaaa 2040
agaatagtaa tatcagaaca ggaaggagga atggcttgct ggggagccca tccaggacac 2100
tgggagcaca tagagattca cccatgtttg ttgaacttag agtcattctc atgcttttct 2160
ttataattca cacatatatg cagagaagat atgttcttgt taacattgta tacaacatag 2220
ccccaatat agtaagatct atactagata atcctagatg aaatgttaga gatgctatat 2280
gatacaactg tggccatgac tgaggaaagg agctcacgcc cagagactgg gctgctctcc 2340
cggaggccaa acccaagaag gtctggcaaa gtcaggctca gggagactct gccctgctgc 2400
agacctcggg gtggacacac gctgcataga gctctccttg aaaacagagg ggtctcaaga 2460
cattctgcct acctattagc ttttctttat ttttttaact ttttgggggg aaaagtattt 2520
ttgagaagtt tgtcttgcaa tgtatttata aatagtaa ataaagtttta ccattaaaaa 2580
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 2617

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&lt;210&gt; 1895

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (497)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1895

```

ctgagatggc ggcgcccggg atcctgtgta gcggctgcag aggggtgccgc cgccctaggc 60
gaagtagggc cgtcctgagc gaaagaaccg cccccagcag gagcaccacc acggttttagc 120
aaagaatccc agacccccgcc cgggaaggca gccgcacccat ggagtcttcc agttcatcta 180
actcttattt ctccgttggc ccaaccagtc ccagcgctgt cgtgctcctc tactcgaagg 240
agctcaaaaa gtgggatgag tttgaagata ttttagaaga gaggaggcat gtcagtgact 300
tgaaatttgc aatgaaatgc tacacacctc ttgtctataa gggaaattact ccatgtaaac 360
caattgatat taaatgtagt gttctcaatt ctgaggrgat tcattatgtc attaaacagy 420
tttccaagga wtcccttcaa tctgtgggtg tccccccgag gaagttagta ggttttaggt 480
ggaatgggtc acaaatnggt tttgggccct tcggtttgtg ncttancngg gcaagttttt 540
aacaattttt 550

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&lt;210&gt; 1896

1181

&lt;211&gt; 857

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1896

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gcggggcgggg ctcgggccggg gcaccgggtga gtgccggggtg cagaggggagg cggcactggt 60
ctcgacgtgg ggcggccagc gatgaagccg cccagttcaa tacaacaag tgagtttgac 120
tcatcagatg aagagcctat tgaagatgaa cagactccaa ttcataatc atggctatct 180
ttgtcacgag tgaattgttc tcagtttctc ggtttatgtg ctcttccagg ttgtaaattt 240
aaagatgtta gaagaaatgt ccaaaaagat acagaagaac taaagagctg tggatataca 300
gacatatttg ttttctgcac cagaggggaa ctgtcaaaat atagagtccc aaaccttctg 360
gatctctacc agcaatgtgg aattatcacc catcatcatc caatcgcaga tggagggact 420
cctgacatag ccagctgctg tgaaataatg gaagagctta caacctgect taaaaattac 480
cgaaaaacct taatacactg ctatggagga cttgggagat cttgkcttgt agctgcttgk 540
ctcctactat acctgtctga cacaatatca ccagagcaag ccatagacag cctgcgagac 600
ctaagaggat ccggggcaat acagaccatc aagcaataca attatcttca tgagtttcgg 660
gacaaattag ctgcacatct atcatcaaga gattcacaat caagatctgt atcaagataa 720
aggaattcaa atagcatata tatgaccatg tctgaaatgt cagttctcta gcataatttg 780
tattgaaatg aaaccaccag tgttatcaac ttgaatgtaa atgtacatgt gcagatattc 840
ctaaagtttt attgaca 857

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&lt;210&gt; 1897

&lt;211&gt; 779

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1897

```

cgccggcgct gcagagggag gcggcactgg tctcgacgtg gggcgggcag cgatgaagcc 60
ggctatcttt gtcacgagtg aattgtttct agtttctcgg tttatgtgct cttccagggt 120
gtaaatttaa agatgtttag agaaatgtcc aaaaagatac agaagaacta aagagctgtg 180
gtatacaaga catatttgtt ttctgcacca gaggggaact gtcaaaatat agagtcccaa 240
accttctgga tctctaccag caatgtggaa ttatcaccca tcatcatcca atcgcagatg 300
gagggactcc tgacatagcc agctgctgtg aaataatgga agagcttaca acctgcctta 360
aaaattaccg aaaaacctta atacactgct atggaggact tgggagatct tgtctttag 420
ctgcttgtct cctactatac ctgtctgaca caatatcacc agagcaagcc atagacagcc 480
tgcgagacct aagaggatcc ggggcaatac agaccatcaa gcaatacaat tatcttcatg 540
agtttcggga caaattagct gcacatctat catcaagaga ttcacaatca agatctgtat 600
caagataaag gaattcaaat agcatatata tgaccatgtc tgaaatgtca gttctctagc 660
ataatttgta ttgaaatgaa accaccagtg ttatcaactt gaatgtaaat gtacatgtgc 720
agatattcct aaagttttat tgacaaaaaa aaaaaggaag aaaaaaacac aacaaaaaa 779

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&lt;210&gt; 1898

&lt;211&gt; 3310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1898

```

cggaggaggg ctgctgtgga ggagaagcgg aggcagagac ttgaggagga caaagaacgc 60
cacgaagctg ttgtacggcg cacaatggaa aggagccaga agccaaaaca gaagcataac 120
cgttgggtcgt ggggaggctc tctccatggg agccctagca tccacagtgc agctcgccgc 180
ctgcagctca gcccatggga gagcagcgtt gttaacagac tcctgacgcc cacacattcg 240

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1182

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ttcctggcca gaagtaaaag cacagctgcc ttgtctggag aagcagcatc ttgcagcccc 300
atcatcatgc cctacaaagc tgcacactct agaaattcga tggatcgacc aaaactcttt 360
gtaacaccac ctgagggctc ttctcgcagg aggatcattc atggcacagc gagctataaa 420
aaagaaaagag agagagaaaa tktactcttc ctcacatctg gcacccgaag ggctgtatct 480
ccatctaata ccaaagcaag acaaccagct cgctcccgac tttggcttcc gtccaagtct 540
cttcctcatt tgcttggcac acccagaccg acatcctcct tgccacccgg ctcaagtcaa 600
gctgctcctg ctcaggtccg gcccccatcc cccggcaaca tccgccctgt caagagggaa 660
gtcaaagtgg agcctgagaa gaaagatcct gagaaggaac ctcagaaagt tgccaatgag 720
ccctcactaa agggcagagc accttttagtg aaggtagaag aagccacagt tgaagagcgg 780
acacctgctg aaccagaaag tggscctgct gctccagcca tggccccagc tccagcctcg 840
gccccagctc cagcctcggc cccagctcca gccccggtcc ccacccagc catggtctca 900
gccccgtcat ccactgtgaa tgccagtgtc tctgttaaga cttctgcagg caccaccgac 960
ccagaggagg ccacaaggct tctagctgag aagaggcggc tggcccgaga gcagagagaa 1020
aaggaagaaa gggagaggag ggagcaggaa gagcttgaaa gacaaaagag agaggaattg 1080
gctcaacgtg tggctgaaga gaggacgact cgccgtgagg aggagtcgcg caggctggaa 1140
gccgagcagg cccgggagaa ggaggagcag ctgcagcggc aggcggagga gcgggcgctg 1200
cgcgagtggg aggaggcaga gcgcgcccag aggcagaaaag aagaagaagc tcgcgttcgt 1260
gaagaagcag agaggggtccg gcaggaacga gagaagcatt tccagagaga agagcaagag 1320
cgcttgagaa gaaagaagcg acttgaggag attatgaaaa gaaccaggag aacagaagct 1380
acagataaga aaaccagtga tcagagaaac ggtgatatag ccaagggagc tctcactgga 1440
ggaacagagg tgtctgcact tccatgtaca acaaacgctc cgggaaatgg aaagccagtt 1500
ggcagcccac atgtggttac ctcacaccag tcaaaagtga cagtggagag cactccccgat 1560
ttggaaaaac aaccaaatga aaatggtgta tctgttcaga atgaaaattt tgaagaaatt 1620
ataaacttac ccattggatc taaaccatcc agattagatg tcaccaacag tgagagccca 1680
gaaattcctt tgaatccaat tttggccttt gatgatgaag ggacacttgg gccctcgctt 1740
caggtagatg gtgttcagac acagcagact gcagaagtta tatgagtgtt tcttctgaag 1800
aaccaaagct gaaatttaat gagaatttct acaattaatg gaattccttt cctgctataa 1860
aggagcatcc cctccaccgg ttttctagag ttcttgacca tcattttgaa aagatttatt 1920
aaaactagct aaagacaaca gactggatag ctttttctaat aattttctac aataggaaaa 1980
aagaaatacg tctcattctt caatacttta aaatggcttt ttccagtgtg ctcttcttta 2040
gcaatcaata tttttctgca ttctttaaaa gacaagagaa tttggttata aaagaaatgg 2100
gctgactagg catgattttt ttggtcttaa aagcttaaca tgtaaaattg gcaaaaaaaa 2160
ttttttacct tttataatac ttgaaaaata agtacctctt tgttctacaa gtagaatgaa 2220
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agcaaattat aggagatta ccaggttctt ataaatacag cttgtacatg gacattctgc 2340
aaaccagct gtcacatttt tcttgcaact ctttttgcaa aagcagacta aaatgtttta 2400
aaatgtgaaa aaacattatt ttttcaaagc aagaaaataa tttactgcc tcttacataa 2460
tgtatttata aagtttttcc agataaacta atcaaataaa ttagaataat gtgacaacat 2520
tacaaattta atttgtttagc tgcattcctt ctgatgttac cacgatagaa tgttactgat 2580
gattcagggc tatttctgaa gtctgtatgt tgctgctgtc ccagtgatg gtggacttat 2640
ctttgcctta cctgatcaca aattatgttg gggaaaataa agatttaata tttcttttaa 2700
tagaaaaaga atttggtttt gctcgtttaa gagcaatgag aaaatgatgg aatgttgact 2760
gtgtttggca cacaggacac ggaccttcac ggaagtcctt gctctgcgtg gcactctgtc 2820
gcttttcacc tttcattctt attcttcact tttgctgctg agcctagctg taaaaacttg 2880
cactttcatt tgctaataata aattcagttt tattttacca ttttagagac tactaatgat 2940
taaattgtaga aggagagggg gcacatgttt ttatgtggag tgtttaaaag ataaatttat 3000
accactgtaa tgtgcagctt ttattaaaag agaaattggg tgaactgcta ggttgaatga 3060
gagacttcac ctattggact atttttttta atccaggcat atggtcttta gtaatggctt 3120
gtaatttgtg aaaacattaa tttgggggtt ttccctgttt tcagttgtcc atgtacacat 3180
agtcattata ttagaaaaga aagctgttca acaaacttgt ttaatttgtt taaatcaaca 3240
tagcatgaaa caccaaataa aatgtttgac atagttttta aaaaaaaaaa aaaaaaaaaa 3300

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1183

aaaaaaaaaa

3310

&lt;210&gt; 1899

&lt;211&gt; 1184

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (995)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1041)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1899

```
ccgctgagcc tgategtttt acccatgtgc ctgcttcacc attttctgcc tgcactctgct 60
tgaatctgct gttgccttgg tgccttgacc ttacgtccat cagtggcccg tgctgtagtg 120
gttggagggg agtgacaggc agcagagggc aaataaaaata cctgtgaatc aaaccatggt 180
ttaggtacaa cccacactga aaatggactc tcagagcacc cctgtgaaac agaacagata 240
aatgcaaaga gaaaagatac aaccagtgac aaagatgatt cgctaggaag ccaacaaaca 300
aatgaacaat gtgctcaaaa ggctgagcca acagagtcct gcgaacaaat tgctgtccaa 360
gtgaataatg gggatgctgg aaggagatg ccctgcccgt tgccctgtga tgaagaaagc 420
ccagaggcag agctacacaa ccatggaatc caaattaatt cctgttctgt gcgactgggtg 480
gatataaaaa aggaaaagcc attttctaata tcaaaaagttg agtgccaagc ccaagcaaga 540
actcatcata accaggcatc tgacataata gtcacagca gtgaggactc tgaaggatcc 600
actgacgttg atgagccctt agaagtcttc atctcagcac cgagaagtga gcctgtgatc 660
aataatgaca accctttaga atcaaatgat gaaaaggagg gccaaagaagc cacttgctca 720
cgaccccgaga ttgtaccaga gcccatggat ttcagaaaat tatctacatt cagagaaagt 780
ttaagaaaaa gagtgatagg acaagaccac gacttttcag aatccagtga ggaggaggcg 840
cccgcagaag cctcaagcgg ggcactgaga agcaagcatg gtgagaaggc tcctatgact 900
tctagaagta catctacttg gagaataccc agcaggaaga gacgtttcag cagtagtgac 960
ttttmagacc tgagtaacaa atgtctttat ttgcncaaaa agctacattc actttttatt 1020
ttaaaggata taacataaaa ngtgaatgta gcttttgcag caaataaaga cattcacttt 1080
ttatgttata tccttttaaaa taaaaaatta atttgttggg attttagatg atttgcattt 1140
tacattttca attagatgag ttgggctggg ataaaacata agcc 1184
```

&lt;210&gt; 1900

&lt;211&gt; 3878

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2078)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1184

&lt;222&gt; (2079)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3847)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3869)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1900

```

tgacacgggc cccacaggca tcaagtatga cctggaccgg caccagtaca actacgtgga 60
cgctgtgtgc tatgagaacc gactgcaactg gtttgccaag tacttcccct acctggtgct 120
tctgcacaag ctcatcttcc tggcctgcag caacttctgg ttcaaattcc cgcgcaccag 180
ctcgaagctg gagcactttg tgtctatcct gctgaagtgc ttcgactcgc cctggaccac 240
gagggccctg tcggagacag tggaggagga gagegacccc aagccggcct tcagcaagat 300
gaatgggtcc atggacaaaa agtcatcgac cgtcagtgag gacgtggagg ccaccgtgcc 360
catgctgcag cggaccaagt cacggatcga gcagggtatc gtggaccgct cagagacggg 420
cgtgctggac aagaaggagg gggagcaagc caaggcgctg tttgagaagg tgaagaagtt 480
ccggacccat gtggaggagg gggacattgt gtaccgcctc tacatgcggc agaccatcat 540
caaggtgatc aagttcatcc tcatcatctg ctacaccgtc tactacgtgc acaacatcaa 600
gttcgacgtg gactgcaccg tggacattga gacgctgacg ggctaccgca cctaccgctg 660
tgcccacccc ctggccacac tcttcaagat cctggcgctc ttctacatca gcctagtcat 720
ctttacaggc ctcatctgca tgtatacact gtggtggatg ctacggcgct ccctcaagaa 780
gtactcgttt gagtcgatcc gtgaggagag cagctacagc gacatccccg acgtcaagaa 840
cgacttcgcc ttcatgctgc acctcattga ccaatacgac ccgctctact ccaagcgctt 900
cgccgtcttc ctgtcggagg tgagtgaaga caagctgcgg cagctgaacc tcaacaacga 960
gtggacgctg gacaagctcc ggcagcggct caccaagaac gcgcaggaca agctggagct 1020
gcacctgttc atgctcagtg gcatccctga cactgtgttt gacctggtgg agctggagggt 1080
cctcaagctg gagctgatcc ccgacgtgac catcccgccc agcattgccc agctcacggg 1140
cctcaaggag ctgtggctct accacacagc ggccaagatt gaagcgcccg cgctggcctt 1200
cctgcgcgag aacctgcggg cgctgcacat caagttcacc gacatcaagg agatcccgtc 1260
gtggatctat agcctgaaga cactggagga gctgcacctg acgggcaacc tgagcgcgga 1320
gaacaaccgc tacatcgtca tcgacgggct gcgggagctc aaacgcctca aggtgctgcg 1380
gctcaagagc aacctaaagc agctgccaca ggtggtcaca gatgtgggcg tgcacctgca 1440
gaagctgtcc atcaacaatg agggcaccaa gctcatcgct ctcaacagcc tcaagaagat 1500
ggcgaacctg actgagctgg agctgatccg ctgtgacctg gagcgcatcc cccactccat 1560
cttcagcctc cacaacctgc aggagattga cctcaaggac aacaacctca agaccatcga 1620
ggagatcatc agcttccagc acctgcaccg cctcacctgc cttaagctgt ggtacaacca 1680
catcgcctac atccccatcc agatcggcaa cctcaccaac ctggagcgcc tctacctgaa 1740
ccgcaacaag atcgagaaga tccccacca gctctttctac tgccgcaagc tgcgtacct 1800
ggacctcagc cacaacaacc tgaccttctc ccctgccgac atcggcctcc tgcagaacct 1860
ccagaacctc gccatcacgg ccaaccggat cgagacgctc cctccggagc tcttccagtg 1920
ccggaagctg cgggccctgc acctgggcaa caacgtgctg cagtcaactgc cctccaggggt 1980
ggcgagctg accaacctga cgcagatcga gctgcggggc aaccggctgg agtgctgcc 2040
tgtggagctg ggcgagtgcc cactgctcaa gcgcagcnnn ttggtggtgg aggaggacct 2100
gttcaacaca ctgccacccg aggtgaagga gcggctgtgg agggctgaca aggagcaggc 2160
ctgagcgagg ccggcccagc acagcaagca gcaggaccgc tgcccagtc tccaggccccg 2220

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## 1185

```

agggcaggcc tagcttctcc cagaactccc ggacagccag gacagcctcg tggctgggca 2280
ggagcctggg gccgcttggt agtcaggcca gagcgagagg acagtatctg tggggctggc 2340
cccttttctc cctctgagac tcacgtcccc cagggcaagt gcttggtggag gagagcaagt 2400
ctcaagagcg cagtatttgg ataatcaggg tctcctccct ggaggccagc tctgccccag 2460
gggctgagct gccaccagag gtccctgggac cctcacttta gttcttggtta tttatttttc 2520
tccatctccc acctccttca tccagataac ttatacatte ccaagaaagt tcagcccaga 2580
tggaaggtgt tcagggaaag gtgggctgcc ttttccccct gtccttattt agcgatgccg 2640
ccgggcattt aacacccacc tggacttcag cagagtgggtc cggggcgaac cagccatggg 2700
acggtcaccc agcagtgccg ggctgggctc tgcggtgcgg tccacgggag agcaggcctc 2760
cagctggaaa ggccaggcct ggagcttgcc tcttcagtat ttgtggcagt tttagttttt 2820
tgtttttttt tttttaatca aaaaacaatt tttttaaaaa aaaaagcttt gaaaatggat 2880
ggtttggtga ttaaaaagaa aaaaaaaact taataaaaaa aagacactaa cggccagtga 2940
gttgaggtct cagggcaggg tggcagtttc ccttgagcaa agcagccaga cgttgaactg 3000
tgtttccttt ccctgggcgc aggggtgcagg gtgtcttccg gatctggtgt gaccttggtc 3060
caggagtctt atttgttctt ggggagggag gtttttttgt ttgttttttg ggtttttttg 3120
gtgtcttggt ttctttctcc tccatgtgtc ttggcaggca ctcatctctg tggctgtcgg 3180
ccagagggaa tgttctggag ctgccaagga gggaggagac tcgggttggc taatccccgg 3240
atgaacggtg ctccattcgc acctccccct ctcgtgcctg ccctgcctct ccacgcacag 3300
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gggtgtgtcc agtgccaccg ctggcctccg ctgcttccat cagccytgtc gccacctggt 3420
ccttcatgaa gagcagacac ttagaggctg gtccgggaatg gggaggctgc ccctgggagg 3480
gcaggcggtt gtccaagcc gggtcccgct cctggcgctt ggagtgcaca cagcccagtc 3540
ggcacctggt ggctggaagc caccctgctt tagatcactc gggccccac cttagaaggg 3600
tccccgcctt agatcaatca cgtggacact aaggcacgtt ttagagtctc ttgtcttaat 3660
gattatgtcc atccgtctgt ccgtccattt gtgttttctg cgtcgtgtca ttggatataa 3720
tcctcagaaa taatgcacac tagcctctga caaccatgaa gcaaaaatcc gttacatgtg 3780
gggtctgaact tgtagactcg gtcacagtat caaataaaat ctataacaga aaaaaaaaaa 3840
aaaggnggcc gtctaaagat caacttctnc cttgatca 3878

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&lt;210&gt; 1901

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (95)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1901

```

gtgagtgggtg actatgggca tctgtgttat atcgtgcagg atggggcccc ccagagccct 60
ccaaacatct actacaaggt atgagggtct ctctnacgtg gctatcctga atccagccct 120
tcttgggggtg ctctccaggt ttaaattcct ggttttragg acamctstaa catct 175

```

&lt;210&gt; 1902

&lt;211&gt; 1807

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1186

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1184)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1902

```

tggccgcccgc cgccgcttca gtggccggng tggcaaggac ccggacctca gggaggcctc 60
cgcacgaagt cggaccgtcc tgcgcgccgc ctaagtccag gcttgcccgt ctgctgccag 120
gcaacaacgc ccctagtctc tccgttcggg aagacgcgtg gccctgcctg ccaccaccg 180
gaagtgaggg caaatggcaa cagcggctct ggaattctat acaggcattg ctgaggacac 240
ctaagatgac gcaatctccg cgcgggtagg gcggggctcc gcaaggacct catgccttag 300
agatcgccctg aagagcggaa gccttctgtc gagaagcagc tacccaagct ccaggagctt 360
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&lt;210&gt; 1903

&lt;211&gt; 2810

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1903

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1187

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&lt;210&gt; 1904

&lt;211&gt; 4039

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1904

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1188

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1189

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&lt;210&gt; 1905

&lt;211&gt; 3989

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (627)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1905

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1190

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3989

&lt;210&gt; 1906

&lt;211&gt; 2629

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1191

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1906

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaac 2629

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&lt;210&gt; 1907

## 1192

<211> 1551  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (676)  
 <223> n equals a,t,g, or c

<400> 1907  
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 agaagggcag acccattctc aaagaccacc atgtccaagg tctgacagct cccactggc 180  
 tgcccccaca ggggcttttag gctgggtctgg gtcattggga agcgtccctc ttatcgtctg 240  
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 actttggctt ttgtaaatca caagccaata atagactttt ttctccccct ctgttttttg 360  
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 attaacagct gcctgaattg tcattttcca ttttggtttg ttagaggtgg gaggggtggg 480  
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 ttttttcata gatgttctgc cacacaaaaga acttgggggtg taaggataag gcaaaagctc 600  
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 ccagaccttc agttcaacat gcttccttag cttttcatag ttgtctgaca tttccatgaa 1200  
 aacaaaggaa ccaactttgt ttttaaccaa ctttgttttg ttacagtttt caggggagcg 1260  
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 caaacctaaa tgctactgtt ccaaagagca acttgatggg tttttttaat actgagtga 1380  
 aaaggtcacc caaatccta tgatgaaatt tttaaattaat gggcaccttt caacatcatt 1440  
 tgcttcctta tctacagttg attcagaaat ctgcattttt tattctttta tatgactttt 1500  
 aagtaaaaga tttatatgga wttaaaaaaa aaaaaaaaaa aaaataacgt t 1551

<210> 1908  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<400> 1908  
 ggcaaaactg ggggagattg ttttgctgga ggccctgggt ctggggagaag gggggctgat 60  
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 ctgcaggcat tattgtcatg gcactgctgg gcatgttcaa tgtgcaccgt catggggcca 180  
 ttaactcagc agccatcttg ttgtatgcc tgacctgctg catctctggc tacgtgtcca 240  
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 agtctcttct ctggtgagga ctttccttcc cctgggtggg ctttctggat taggaatgaa 360  
 gaacacattg tgggctgggt cacagtgggt tcacacctgt kaatcctagc acttggggag 420  
 accgaggscc gaggwttcaa tttgaggccc aaaagttttg aggacaag 468

1193

<210> 1909  
<211> 1799  
<212> DNA  
<213> Homo sapiens

<400> 1909  
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ctccacatct atgtacaatt tctaatacca tttttgctct ggtgctgatg gtttcctgat 180  
atcaggtagg gtggagtaca gggatgcttc taccaggagt gtgattatac agccactgcc 240  
tttattttctg gctttgcctt tgtgatattg tctatcagat gattgataaa atctatctag 300  
agtaaggata taagacaaaa taaagatact gtaattaagg ggaaaggag gctagaggac 360  
atggctcagt atccccaagt cttttattta ggatatgggt tcagctactt ctgacttgac 420  
ttaaacagtg acaaaataac aatggcttaa acaagatagt ttatttctct tcatgtaaaa 480  
atltgaatga caattttagtg aagggtgaca gggccacgc ttctgctaag gtccaggcat 540  
tcctagagtg gtatatgata gatcatatgg tataagctag atcacttcca tagccacaga 600  
gtatccagtt attaatacaa acaaatgaga agaggaaggg gagagcaagt ctttctttgt 660  
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tcgttacgta gtcagaccta gagttgcaaa ggagactgaa aaaatgcagt ttaatctgaa 780  
cagccatgtg tccaggtaaa aattctgtta ttaggggaaga aagagagaat gaatattggg 840  
aaacactttc aagactccca caccaaagta ctacctaaat attttattct tcctatgttt 900  
gtgtgaggta ttgaggtttt ayaaatgtgc acataatttt gcaattgtat ttttatttat 960  
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attagagctt aaagagtcac agtatcagaa ttagaatgtt aatattccca ctcaatatac 1080  
tgaggctctca ttttcattat ggtgggtttt ctaactgcc catatacttc gcagggtgc 1140  
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tgtacatgag atagtataaa ttttacagtc actaattta gtttcttttc attagacgct 1260  
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gcacctgtta cggtttcttg aagcagttta taaaaagtaa ttaaaagtat ctgagctcaa 1680  
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<210> 1910  
<211> 1267  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)

1194

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1264)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1910

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tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaaag atgttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
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aatatgccat tgatgaatat tatcggatga agaaggagga agaagaagaa gaagaagaaa 480
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ctttcacatt ctttattcag tgggacttaa tacaattatt tataatttaa attattaaag 780
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taataaaaag agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaggggcg gacgcgtggg tccgacccgg gaattcccg atcngtcact gncgggctga 1260
cttntct 1267

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&lt;210&gt; 1911

&lt;211&gt; 554

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1195

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (543)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (551)  
<223> n equals a,t,g, or c

<400> 1911  
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gaaattaatc aacgattctt gaagttgaag aaaagttggt ctctctacag gaggttccag 180  
ccttgsaaga ggagtgtggc ccttcctgga atccctctgg acacaccctc ctagcatcct 240  
ctaggaaaga tgcggcakcs aaagggaagc ccaagaagga gacctccaag gacaagaagg 300  
agcgggaagca agccatgcag gagggccggc agcagatcac tacagtggtr ctgcccacrc 360  
tggccgtggt cgtgctcttg atcgtggtgt ttgtgtacgt ggccacgcgc cccaccatca 420  
ccgagtggag cccgcatncg gtcgcgggacc ccatcggcag ggagaggaat gctcgggagg 480  
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cangaancac nctg 554

<210> 1912  
<211> 1718  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

1196

&lt;400&gt; 1912

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gcagtaacct gaagctttca ccgtagacgt gctgtattgc ccagaagcca tcrtgtsct 120
ggtcggsctc ctgcggaggc tggctgcctg ctgggagcac cagcgggctc ctgaggtcta 180
crtggccttt acygtccgca acccagagac gtgccagstg ttcaccaccg agctaggcyg 240
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gcacttgag atggcaatgc tgaacctcac actgtaggac tcacacacga ctccaacggg 360
attgtgagaa tcaagtcact ctcatgggaa gaatttttat atgggaaagc ggataaaact 420
ttcattggac tggaaatgtt ggagaatgtt aawttccaaa tcaggaacca caaactgccc 480
tctaataaga catcggctat ctaagcgtgt ggggtgcccc tttctgccag cagttctggt 540
tcttaagaaa atcaccataa atcagacatg aaaattcttg ctccaaaaay agcattttct 600
ttgtgcaaat aaaaacgtgt gtatcaagta tgatgttccc ccaacgtgga cacactcagt 660
tcctcacaaa gccaaagcca ctgcagctgc cacatccctg ggcttacggt gcagcaggtg 720
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caaacgcagg atgaggagtt ctgcagaggt cacagggaag tcacagaaca gtaatacgtc 840
agcaggggca tggggcgtga agaacagaag aagagaggaa gcgtttccaa gcctccagag 900
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cacagcctgt gtttgtaa atagctttat tggaasaaag ccaaaaaaaa aaaaaaaag 1680
gggggcgctc taaaagatcc tccaaggggc aagcttta 1718

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&lt;210&gt; 1913

&lt;211&gt; 1975

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1913

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actctctnca gggtgaaaag cctcttttate catttaatcc tctctggccc tcttccccct 60
mcwgcgtgga tgcaactaga gagacaaatc gcctaggaag actgatcaat cacagcaaat 120
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cccactttcc cttcttcaaa ggacaaagtg ccctcaaagg gaattgaatt ttttttttac 360
acacttaatc ttagcggatt acttcagatg tttttaaaaa gtatattaag atgccttttc 420
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1197

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attaccaaaa cttttatatt ctagttgttt ttgtactttt tttgcataca agccgaacgt 540
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atgaactagg aagccagggt agtctccttt ctccagtggg agagccggga cttccccct 660
gcacccccga catccaggga cggggtgtga ggaagacgct gcctcccaat ggctggacg 720
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tattttttta aaaggttttt gcagtaagct agtcttcccc tctgctttct cgaaagctta 840
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cacccccgc tagcctgggt agtggtcagc aaattggaag aggatccgat gggagtgtaa 1800
atgtgagaca caatgtcttg attatacctg tttgtggttt agctttgtat ttaayaagg 1860
aaataaactt gaaaattatt tgtcatcata aaaatgaaac aaattaaaat atttattgcc 1920
aggcaaaaaa aaaaaaaaaa aagttttggc ccatagttag tcctttacaa gtcga 1975

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&lt;210&gt; 1914

&lt;211&gt; 508

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1914

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gtacaagatg acggagccgg gcgcctctcc cgaggaccct tgggtcaagg tggagtatgc 60
ctacagcgac aacagcctgg accccgggct tttttagtaa agcaccgca aggggagtgt 120
agtgtccaga gctaatagca tcggttccac cagtgcctct tctgtcccca acacagatga 180
tgaggacagt gattaccacc aggaggccta caaggagtcc taaaagacc ggcggcggcg 240
cgcacacact caggctgagc agaagaggag ggacgccatc aagagaggct atgatgacct 300
tcagaccatc gtccccactt gccagcagca ggacttctcc attggctccc aaaagctcag 360
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```

&lt;210&gt; 1915

&lt;211&gt; 2885

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1198

&lt;400&gt; 1915

```

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1199

<210> 1916  
 <211> 3008  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2235)  
 <223> n equals a,t,g, or c

<400> 1916  
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 cagatagtta aggaagggtcc ttagataatg cagtatactt attaacatac agacatcaag 180  
 aagcagaaat atatagacat cttccttttt gggtctaata gggcttcgtg ggacacatat 240  
 gcaacatgcc tatgattttt acaagcctga tatgctatct gaataccta tagtagatgg 300  
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## 1200

```

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ctcgtgcc                                     3008

```

<210> 1917

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1917

```

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gtgctgctgc tgggtctgca gacgcgatgg ataactgca gccgaaaata aaacatcgcc 180
ccttctgctt cagtgtgaaa ggccacgtga agatgctgcg gctggatatt atcaactcac 240
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cattgacagt tgggtggagggt gtgtttgcac ttgtgacagc agtatgctgt cttgccgacg 360
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tgcatgaaaa aaaagaagtt ttgtaatttt atattacttt ttagtttgat actaagtatt 480
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```

<210> 1918

<211> 1819

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1763)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1778)

<223> n equals a,t,g, or c

<220>

1201

&lt;221&gt; misc feature

&lt;222&gt; (1797)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1918

```
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ctatcttttaa acatttatct gtgaagtgc aaatggccta cagctgtgag agcaaatgga 120
catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgcgttttg ctctggctga tgctggtgac 240
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gttaattttg ggcttgggc 1819
```

&lt;210&gt; 1919

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

1202

&lt;400&gt; 1919

```

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ggsttttatt ctgattttat agtctgatta tttgggtcaa atcggnttag taggttaaatt 540
gagatgattt agtnnggttaa ctcacttagg ttttttaa 577

```

&lt;210&gt; 1920

&lt;211&gt; 2115

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1342)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1920

```

cagcaacgga ataaacgtgc aacatacgag cggatgatcca cagatgggtg cccatctctt 60
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caaaatcaaa gatgcgggtcg gtttctctgt ccagccaacg gttgtggtt aggggtgttaa 180
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attgccatt cgtagtgggt gtaatgccag gtggaatggg ttcaacaagt caggtgaaaa 480
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caagaagaat ggagaagggg gcagccaaga agaacttctg gggttcagggt actgtttatt 660
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gaaaggtgaa gagcaggaat tctctctttc aaatcctaga gcataaacc atgtgtggcc 900
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```

## 1203

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```

<210> 1921

<211> 3953

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<400> 1921

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aaactggaca cgtcctctga gaagctagag tttttgcaac tttttggctt gaccacccaa 180
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1204

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1205

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<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1989)  
<223> n equals a,t,g, or c

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1206

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 <211> 725  
 <212> DNA  
 <213> Homo sapiens

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<210> 1924  
 <211> 2227  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (289)  
 <223> n equals a,t,g, or c

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1207

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&lt;210&gt; 1925

&lt;211&gt; 3911

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1925

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1208

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&lt;210&gt; 1926

&lt;211&gt; 1041

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

1209

&lt;400&gt; 1926

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&lt;211&gt; 2310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2309)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1927

```

tttttttttt tctgttcaaa aaagggtttta tccaaaaaag ttaatcaaga caagcaacag 60
atactgcaaa gcattatata cagcaccata gtccagggggc caaagaaatc aggaggggct 120
gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180
aacacacaaat tctaatttct gttaggcaga atgctccctt accctgatgc cacagccttt 240
cacgtttcct aaaccctagt aacctctgat ctccatctgc ctcacaaaca cgtcaccacc 300
ctttgtcttt cttccaatta gtcacatgtt ggctgaattt atttcaactc agtacttttag 360
gaccttgaca gacaaatcga ttacaaggtc aattcccagg atttcttcag ggtgtgttca 420
ggagtgcaga tgttcttttg atgacctttc tactaaatta gacctctgaa ggagaaaagct 480
acttgcgaga ggctttccct gagagcatta ggttggggcaa aatctgacta aaatttaatt 540

```

## 1210

```

actaaatgaa agtgtgtacc ttagagttcc tggccagagt tgactctagg tagtgatgtg 600
atcttcttgg gatgttttcc taaatattct tttatgctaa agcacatggc ttgatacttc 660
tggttgattaa gctcgtgtct acttacagtc atctagttag aacctgtggg gtggtgagat 720
gataacttgg tctttggtct tcatcatttg aactagtttt ggttttgtct tgtcccttcc 780
ttgagcattt tgtgtgtggt taatcctatt tggtaaacga accactgtga aagaccaagt 840
tggagaaaac agaacacccc caaaacattt attttttttt ttagaaaatc atgggtcact 900
atggtagtat acaatattgt tttcacacat gtacacttga aaccaaattt cccataatcc 960
cctacatccc tactctcatc actcagctta cacagaagct attagctgtt agtaagaacc 1020
caagcaaacc tcactttaat cactacatgt ttgaagcaat atgtttatcc ataagaataa 1080
cttgcaaagc taaccctgct gctgttgtaa attttgagga ggctttgttt ttggtgttta 1140
ctgaaatctt acaaaatgat gtgcaagaat ttattccata cgtctttcaa gtgatgtctt 1200
tgcttctgga aacacacaaa aatgacatcc cgtcttccta tatggcetta tttcctcatc 1260
tccttcagcc agtgcttttg gaaagaacag gaaatattcc tgctctagtg aggtctcttc 1320
aagcattctt agaacgcggg tcaaacacaa tagcaagtgc tgcagctgac aaaattcctg 1380
ggttactagg tgtctttcag aagctgattg catccaaagc aaatgaccac caagggtttt 1440
atcttctaaa cagtataata gagcacatgc ctccgaatc agttgaccaa tataggaaac 1500
aaatcttcat tctgctattc cagagacttc agaattccaa aacaaccaag tttatcaaga 1560
gttttttagt ctttattaat ttgtattgca taaaatatgg ggcactagca ctacaagaaa 1620
tatttgatgg tatacaacca aaaatgtttg gaatggtttt ggaaaaaatt attattcctg 1680
aaattcagaa ggtatctgga aatgtagaga aaaagatctg tgcgggttggc ataaccaaat 1740
tactaacaga atgtccccc atgatggaca ctgagtatac caaactgtgg actccattat 1800
tacagtcttt gattggtctt tttgagttac ccgaagatga taccattcct gatgaggaac 1860
atcttattga catagaagat acaccaggat atcagactgc cttctcacag ttggcatttg 1920
ctgggaaaaa agagcatgat cctgtaggtc aaatggtgaa taaccccaaa attcacctgg 1980
cacagtcact tcacaagttg tctaccgcct gtccaggaag ggttccatca atgggtgagca 2040
ccagcctgaa tgcagaagcg ctccagtatc tccaagggtta ccttcaggca gccagtgtga 2100
cactgcttta aactgcattt ttctaattggg ctaaaccagg atgggtttcct aggaaatcac 2160
aggtcttctga gcacagctgc attaaaacaa aggaagttyt ccttttgaac ttgtcacgaa 2220
ttccatcttg taaaggatat taaatgttgc tttaacctga aaaaaaaaaa aaaaaagggt 2280
sggccggacc caatttnccc taaangggng 2310

```

&lt;210&gt; 1928

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1928

```

gtgctgccgc ctcccgtcgc ccctgcgctc agagggtcccg aaccagccca gccgctgcct 60
cttgccgctc cgcctttgga gtgaggaggg cgcagcccg ctcagaactt agagggccag 120
gcagggcgc gcgcatggcc tgggcgggct cgcggcgggt cccagctggg acgcgcgcgg 180
cagccgagcg ctgctgccgg ctctcgctca gcccgggcgc gcaaccggcc cgccccaggc 240
cctctgcacc gccgcgacca atgaggtttc tgacctcctg carcctcctc ttgcctcggg 300
ctgcccagat cttggcggst gargctggct taccttcgas ccgttcctty atgggatttg 360
ctgctccctt caccaacaag cgaaaggctt actcggagcg tagaatcatg ggttactcaa 420
t 421

```

&lt;210&gt; 1929

&lt;211&gt; 1283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1211

&lt;400&gt; 1929

```

gcacggcgca gtgaatacaa gaaaggggca ctattttaac acaacctttt cccgtgatca 60
ccaccgaaaa ttactgacga gtcaatcacc tcagatctct caagcagtcc agcctacgca 120
acagtactcc acctctgctc ctgtgcgggg agggtaaggc ggggccagca acttcctcag 180
ctggaggagg agcgcacggg ggagccgcca gttgagaagg actctgatcc ggctcagctt 240
tccaatcagc tgcggaagga gccacgcttt cgggggttgc aagatggcgg ccaccagtgg 300
aactgatgag ccggttttccg gggagtttgt gtctgtggca catgcgcttt ctctcccagc 360
agagtcgtat ggcaacgatc ctgacattga gatggcttgg gccatgagag caatgcagca 420
tgctgaagtc tattacaagc tgatttcatc agttgaccca cagttcctga aactcaccaa 480
agtagatgac caaattttact ctgagttccg gaaaaatttt gagaccctta ggatagatgt 540
gttggaacca gaagaactca agtcagaatc agccaaagag aagtggaggc cattctgctt 600
gaagtttaat gggattgttg aagacttcaa ctatggtact ttgctgctgac tagattgttc 660
tcagggctac actgaggaaa acaccatctt tgcccccagg atacaattct ttgccattga 720
aattgctcgg aaccgggaag gctataacaa agctgtttat atcagtgttc aggacaaaga 780
aggagagaaa ggagtcaaca atggaggaga aaaaagagct gacagtggag aagaagagaa 840
caccaagaat ggaggagaga aaggagctga tagtggagaa gaaaaagagg aaggaatcaa 900
cagagaagac aaaactgaca aaggaggaga aaaagggaaa gaagctgaca aagaaatcaa 960
caaaagtggg gaaaaagcta tgtaaggat acagggaaca gcactctaga agctatgact 1020
caattgagac tacaagtacc acggtgctac ttgcacagac cccttttggt aaatgtaaat 1080
tcttgtacaa ttgaaggata cgcagaagga catctttcta gtctaacagt caggagctgc 1140
tctggtcatt cccttgatg aactggtcta aagactgtta gtggggtgtt agttgatttt 1200
tcctggtata ctgtttcttg gctgacacta ctggtcaagt aagaaaattt taaataaaatt 1260
tcttttggtt cttattatct aaa 1283

```

&lt;210&gt; 1930

&lt;211&gt; 762

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (512)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (649)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (667)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1930

```

gaatgatcag tatacaagat acagtatttt ctagaaaaac tgtctctgat tctggacaaa 60

```

1212

```

gctcagttat agttacgaga aagatatggt acagggagga aaatactgcc tttttttttt 120
ttttaaagag attttcagac taaatagaaa tgtcaaatg atgtatcaat ggttcctttt 180
tagaacaagt tttcaaagca taaaaagagg ttgagagaaa taacatattt attgattcac 240
ataagtatgt ttttcttcat taatcgtctg gagaaaccca cttgtcatta atttggtttg 300
ggctaggttt tcaaacttac caaattgctt taaaaaagca atttggaagg taatttgata 360
ggctttccaa cttaaccaaa ttttttattg taattcttgg atagtatttt tgtctttttc 420
aattcatttg tctttttcag tatagttttt gttaaggcaa atgtcttccc ttaatatcca 480
aatattgcta ataaacggtg gaagatgctt tnggaaatta aaattatctc gctgktggtt 540
agacttaaca ctgktaatct tyagccaaat atcacatatg gatcaaatta ttttctnttt 600
tggtgtttac ctatcctcaa caacattttt agtttaaat attgtaaana tttttttgtg 660
ggtggttatt tttatttgct ccaaaataat aaggtgcaaa ctattttatg cttaactggt 720
gctctgtcaa aacactatgc atggattgca tttgaaaaaa aa 762

```

&lt;210&gt; 1931

&lt;211&gt; 1633

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1605)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1618)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1931

```

tgcctctnat tttaggetga ggccgtccaa agcggccatg ccccatgttt ccactagatg 60
gcgctgacac ttcaggcatc aaccctcatg gcctctcagc cttgcaaagg cagccactta 120
aagtcggtgt cctgtgtggg gcaccaagct gagctgcaga caccacagtag gcgcgaggca 180
aatgcgtccc attttaagag gcttgtattt atgagctctt tgcttctccc ctcccactaw 240
ctttaaagaa ttgctctcca tctccttttg caaagttcct ttgccctttg tcttattttt 300
gtgaaacctc caaggtattt ccagtcattt tgcattccaa ctggcatctt tacggagagc 360
ggtctcatat gctattgttg ttaacgtgga ctagtattta tgtgttgaga aactggctg 420
tttgtmaggaa aaagtgtgcc aaaacaaaga gtacggccgg ccctggaaat gcacagcaa 480
aaccattttc ccccggtgcac tcattctgag cttccttccc tcatttctgt cattactgct 540
gagaactgga ctgtgcccag ctgacctttc ccttcccttg cctcatcttg ctgccagggt 600
ctgcagggtt gccaccgtcc cggccccagt ctgaaacatg ggattatttc agaattggag 660
gtggcagctt cagaaaaaaa tccttctcgt gtgttgactg ctgagatcca ggaactggga 720

```

## 1213

```

aatcaacccc cagttttag tag attgctctct ttggaaattc tgtggcccaa cctcgtggct 780
gttttcttga attccttcta tcggggcaga cagtgtgtgt cctttcttga cttcaggatg 840
ttccaaggat gctgctggat ctgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc 900
gtgcgtgcgt gtatgtgcgc ctgaccctga tttctgcaac ctccagattt ctttcttgac 960
ccttcaaagt ggaacagtcc agtgccaaaa atttttagagt ttgagaaggt cacagaaatc 1020
ctctagttgg tgccctccaca gtcttcattt tacagaggaa ctcagggcta atggagttaa 1080
tgcaactaga tcagggtttt ggggtctgtgt tctttctacc gtcagcacct gtgtgggtcaa 1140
ttctggacac ttcccagaga agtcttttag tagagaatcc tactcaaatt tctactgtata 1200
ttttaagcat tcctctcctt tccctttgcc tcccctgttg ccttttcttc ccctgatttc 1260
tcctctggtc atctcctctc ccttctgcgt gtaagccatg ggaaagggat gagggaggac 1320
agcttctggt taaacacagg tccctcttcc acatcaaatg aacattggct tcctgggaca 1380
gaaggccttc aaaggaggga ttgcaaagca aggcaaaagc ttctgtcttc attttcccca 1440
tcccatgag acaagactga tggaaaaggt ggtggggcaa cactgcttaa tggatgcctt 1500
ttcacatcat ttcagttttt agccctcatg actgtatttt ctaatcagag acaataacat 1560
tttaataaaa acaacgacaa agaaaaaaaa aaaaaaaagg gggcnnccct caaaggancc 1620
aacctttctt acg 1633

```

&lt;210&gt; 1932

&lt;211&gt; 1126

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1932

```

ttcgttttagy tcggctggaa attatgtcct ccgtcggttt tccgcagttt ttccaccaag 60
cgagatattt ttgggagtta ttccctaaat aactgcatta tatgtctcct tcatgacgaa 120
attgctgccg tggagaagac tggaggaaac tcgaggaaga gggagaagcc gacaagtgtc 180
cgacgggcta ggaactgtcc tgcttgggtg tttagcgttt ccgycgggcc agtaaggctg 240
agtgasccgg cgtggctact aggagaagga cgtacggctc tgctagtaga ggaatatgtc 300
gagtttctct agggcgcccc agcaatgggc cacttttctg agaatatggt atctcttaga 360
tgggaaaatg cagccacctg gcaaacttgc tgctatggca tctataagac ttcagggtat 420
acataaacct gtgtaccatg cactgagtga ctgtggggat catgttggtt taatgaacac 480
aagacacatt gcattttctg gaaacaaatg ggaacaaaaa gtatactctt cgcatactgg 540
ctaccagggt ggatttagac aagtaacagc tgctcagctt cacctgaggg atccagtggc 600
aattgtaaaa ctagctattt atggcatgct gccaaaaaac cttcacagaa gaacaatgat 660
ggaaagggtg catcttttct cagatgagta tattccagaa gatattctta agaatttagt 720
agaggagctt cctcaaccac gaaaaatacc taaacgtcta gatgagtaca cacaagaaga 780
aatagacgcc ttccaagat tgtggactcc acctgaagat tatcggctat aagagaataa 840
gaattgcaga aaataacagt gaagtgattg aaactttctt ctgatgagtt tctctaacct 900
acaggatgga gtaaaacaac tgctacagtt cagcacctgt tttatgtgcc gaatcactgt 960
ggggaaaggt caggaagggt tagtccttca ataggaaatt gtaattaaaa tataatttta 1020
tagaaccatt tttatgtaat ctgatttgaa tgttatagtt gataataata aaatcactta 1080
cttggttgac tatttagtgt tgcatttaat gataaaaaac agacct 1126

```

&lt;210&gt; 1933

&lt;211&gt; 1797

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)



1214

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1933

```
attctcaaaa gagtattaca ggcgtgacac cactcttggc ccagcctgtg gggtttgatg 60
gggatgtctt ggctgctgtc ttggaggcac agtgtctccc catgtgtgtg tttcttggcc 120
cagagtgact ccagttatcc ctagtcttcc cccacaggat agtcacatcc attatttact 180
tttgttgtca gctgggaggg gaaactgaag cctggacacg tctccccaag ggctcagtgt 240
tcatgggtgt gtaagatcca ttgactggac ccagaaaagc accctgaggg gcagtgcaga 300
gagagcccag gaagcccctc cactagagga ggcccttggc ctggctgagg accacgtcac 360
cctgggcctc cagsetgnct tttcacatta aaggcggggc agtctctctt caaaggagtt 420
ctcccttgag cactttgggc tctggggcag agttgggcta ggagatctgg gtgaatcctt 480
tagtcacagc tagtctcatg ttctcttctt gtcaaagggg tcatggcccc agtgtgtcct 540
acctcagagt tgctcagggtc aaagtaacag gcactgggac aaatatgaag cctagctttg 600
tgcttctctt caaattcagg gcctcctttc tactccattc cagccttttt ttctgtcag 660
aatccctcag gaaggacctt tatcttcttg agtgagtggc agttccactg gggtcagtga 720
aagagtcgcc catggggctc tgttccccag gactcctttg tattttggtg aacaaattct 780
taccaaagca tgagattcgg actgtagaag ttcagactgc ctcagttcag actgcctcat 840
ggggcagttc ggaggtcagc tggcttcttg tgtctctcat cacaccactg cggacgctgt 900
ctgtagagca gccttggtgt ggggtgactc gaagctggag tgatgggacc ccagctatcc 960
ttgtttttta ccgccttgct tggcactgtg accacgcttc agggctgctt ctgggggtct 1020
tgggtccctg atgtgccatt tccttgccct tctgaccctc acacttcttc caaagtcttg 1080
agcagagttg ggggccaatg gtagcattgc tgtcatctct gggaggagag tgagtataca 1140
agtcagtgc agttcagcca ggctcccttg gggttgggaa gaggcactgc ccttctgtgc 1200
tgtggatcct gcttgtctgc tctggagtc cccaccctt gccaggagct tcacaaacca 1260
gagacgggct gtcagcaaga gctcagacag gatgtggtgc aagtgcagg gcacgagttt 1320
aaccctcagc tgcaggagct agtctcagg gtctctggga tgcctcagg taagaatttt 1380
gccgactttc tgggcttggg tggctaatac caaatgcccc tgcttaaata tcacaagggtg 1440
ctgattctcc ttttttcttt ttttcatacc aatgtgtc caactttgag taggtcttgt 1500
gagtttgcct agcactcaga cctgtttaag taacgttctt tacattgaaa caagtcaacc 1560
gaagctttgt ggtgcaggag ctgaggggtgc cccagactca gtgggagccc tggttgggcc 1620
ccaaactctc ccagcagggg cctcgggttc ctcatctgtg aaataaatga gtgggccacg 1680
acgttaataa gcccaagaga actgtgaagg tggtagtccc ttgccctaag tgggtgctca 1740
taaagttggt ggcataaacg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1797
```

&lt;210&gt; 1934

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 1215

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1934

```

ttcaggtgac actcatagaa ggtacgcctg caggtaccgg tccgraattc ccgggtcgac 60
ccacgcgtcc gcacattagc aacaatgtac attaatTTTg gatTTTcatt tTcatgTTTT 120
atTTTgTaaa tattatctga tGTTTggagc ttgagtatac agactgTaaa tatagTtctt 180
gtattTgtac taattctgat tctTTTgctg tatagcctta gatgtgcaat gcagacacta 240
tctaactgtg tgtggTaaCC ttgcgtcacg gagctgTtag tgaacgaggt aaaaataata 300
aaggtacagc cagtngcatc aaaaaaaaaa anaanaa 337

```

&lt;210&gt; 1935

&lt;211&gt; 1330

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1935

```

gctgcgctcg gctgagtcag tcagtctgtc ggagtctgtc ctccggagcag gcggagTaaa 60
gggacttgag cgagccagtt gccggattat tctatttccc ctccctctct cccgccccgt 120
atctctTTTT acccttctcc caccctcgct cgcgtagcca tggcggagcg tcggcggcca 180
ctcagTccca ttccatctcc tcgtcgtcct tcggagccga gccgtccgcg cccggcggcg 240
gcggggagccc aggagcctgc cccgccctgg ggacgaagag ctgcagctcc tctgtgcgg 300
tgcacgatct gatTTTctgg agagatgtga agaagactgg gTTTgtcttT ggcaccacgc 360
tgateatgct gctTTccctg gcagcttTca gtgtcatcag tgtggTTTct tacctcatcc 420
tggtcttTct ctctgtcacc atcagctTca ggatctacaa gtccgtcatc caagctgtac 480
agaagtcaga agaaggccat ccattcaaag cctacctgga cgtagacatt actctgtcct 540
cagaagcttT ccataattac atgaatgctg ccatggtgca catcaacagg gccctgaaac 600
tcattattcg tctcttTctg gtagaagatc tggTtgactc cttgaagctg gctgtctTca 660
tgtggctgat gacctatgtt ggtgctgttT ttaacggaat cacccttcta attcttgcTg 720
aactgctcat tTtcagtgtc ccgattgtct atgagaagta caagaccag attgatcaact 780
atgtttggcat cgccccgagat cagaccaagt caattgttga aaagatccaa gcaaaactcc 840
ctggaatcgc caaaaaaaaaa gcagaataag tacatggaaa ccagaaatgc aacagttact 900
aaaacacccat ttaatagTta taacgtcgtt acttgtacta tgaaggaaaa tactcagtgt 960
cagcttgagc ctgcattcca agctTTTTTt ttaatttggT gTTTTctccc atccttTccc 1020
tttaaccctc agtatcaagc acaaaaattg atggactgat aaaagaacta tcttagaact 1080
cagaagaaga aagaatcawa tTcataggat aagtcaatac cttaatggTg gtagagcctt 1140
tacctgtagc ttgaaagggg aaagattgga ggtaagagag aaaatgaaag aacacctctg 1200
ggTccttctg tccagTTTTc agcactagtc ttactcagct atccattata gTTTTgccct 1260
taagaagtca tgattaaact atgaaaaaat tatttgggga caggagtgtg ataccttctc 1320
tggtTTTTTc 1330

```

&lt;210&gt; 1936

&lt;211&gt; 678

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1936

```

ccggcaggtg acaacggcaa catggccctg aacggagctg aagtcgacga cttctcctgg 60
gagcccccca ctgaggcgga gacgaaggTg ctgcaggcgC gacgggagcg gcaagatcgc 120
atctccccggc tcatggggca ctatctgctg cgcggTtacc gcatgctggg cgagacgtgt 180
gcggactgcg ggacgatcct cctccaagac aaacagcgga aaatctactg cgtggcTtgt 240

```

## 1216

```

caggaactcg actcagacgt ggataaagat aatcccgcctc tgaatgccc a ggctgcacct 300
tcccaagctc gggagcacca gctggcctca gcctcagagc tccccctggg ctctcgacct 360
gcgccccagc cccagctacc tcgtccggag cactgtgagg gagctgcagc aggactcaag 420
gcagcccagg ggccacctgc tcctgctgtg cctccaaata cagatgtcat ggctgcaca 480
cagacagccc tcttgagaa gctgacctgg gcctctgctg aactgggctc tagcacctcc 540
ctggagacta gcatccagct gtgtggcctt atccgcgcac gtgaggaggc cctgcgcagc 600
ctgcagcagc tacagcacta agagaagccc ctgagaaaaa ccctctagaa aaacaaaaaa 660
aaaaaaaaaa aaaaaaaa

```

&lt;210&gt; 1937

&lt;211&gt; 2428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2422)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1937

```

ccgcgcggccc cgcttgggccc gcgtcccccc tctcccgcctc cctcccctccc tgcctccaaact 60
cctcctcctt ctccatgcct ctgttccctc tgctcttact tgctcctgctc ctgctgctcg 120
aggacgctgg agcccagcaa ggtgatggat gtggacacac tgtactaggc cctgagagtg 180
gaacccttac atccataaac taccacacaga cctatcccaa cagcactggt tgtgaatggg 240
agatccgtgt aaagatggga gagagagtgc gcatcaaatt tggtagcttt gacattgaag 300
attctgattc ttgtcacttt aattacttga gaatttataa tggaattgga gtcagcagaa 360
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gcaatgaaat cacattgctg ttcatgagtg gaatccatgt ttctggacgc ggatttttgg 480
cctcatactc tggttatagat aaacaagatc taattacttg ttgggacact gcatccaatt 540
ttttggaacc tgagttcagt aagtactgcc cagctgggtg tctgcttccy tttgctgaga 600
tatctggaac aattcctcat ggatatagag attcctcgcc attgtgcatg gctgggtgtg 660
atgcaggagt agtgtcaaac acgttgggag gccaaatcag tgttgtaatt agtaaaggta 720
tyccctatta tgaaagttct ttggctaaca acgtcacatc tgtggtggga cacttatcta 780
caagtctttt tacatttaag acaagtggat gttatggaac actggggatg gagtctggtg 840
tgatcgcgga tcttcaaata acagcatcat ctgtgctgga gtggactgac cacacagggc 900
aagagaacag ttggaaaccc aaaaaagcca ggctgaaaaa acctggaccs ccttgggctg 960
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caccaattat tgcacgtttt attagagtga atcctaccca atggcagcag aaaattgcca 1260
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ccaaaggctg tgccccaaaa ttacgcaac cactacaacc tcgcagtagc aatgaatttc 1440
ctgcacagac agaacaaaca actgccagtc ctgatatcag aaatactacc gtaactccaa 1500
atgtaaccaa agatgtagcg ctggctgcag ttcttgctcc tgtgctggtc atggtcctca 1560
ctactctcat tctcatatta gtgtgtgctt ggcactggag aaacagaaag aaaaaaactg 1620
aaggcaccta tgacttacct tactgggacc gggcaggtaa ctcacgtggt ctttgcattc 1680
catttctatc agagggatgt cgctccccta cagggggcag tagtgaaaaa agagtcatct 1740
tctggcccag gtgaactccc cgacactggt agaacaatgg cattactctt cagttctcac 1800
catttttacc cttctgcaaa gtctcttgta attcctaagt aatgaaatga aaagtacaaa 1860

```

## 1217

```

tttcttaaaa caagctctgt tctttttctt ctggaaaact tgtgtagttt gtcctgtgta 1920
tctgtttctc atgaggagac cggctttctg tggcccacgt gaacactgag taagaaacaa 1980
aagactgtgg tctccaggac acagtgtgtg tttgtcctct gccatgggta ttcaccaagt 2040
ggagtccagc agtttaggaa tcgggaggtc tcccatgatg agttgtcatc ttctgaattg 2100
ctgcaagtga caccaaaggg gccccctac cagtttctca cttcccagtc tctactactgg 2160
atcagctctt aggagccagg agagttcact gctgtggcta ggatagaaaa gggcagctag 2220
tgccccaggg tagatcttgg aaaatatattt ttgggaaaaa tgtaattaag gccaccctta 2280
aaatagatac tgtatctggc tgtactatac taacagtgat ttgcctgcat gtgtttgata 2340
gagatttcta ccatgtactg cttggtgctg gatagtctat cacagcaara aaaaaaaaaa 2400
aaaaaactcg agggggggcc cngtaccc                                     2428

```

<210> 1938

<211> 922

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (849)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (893)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (909)

<223> n equals a,t,g, or c

<400> 1938

```

gtancngaca gtcacgggtcg gattccccggg tcgacccacg cgtccgggtcc gcagtgacta 60
cactcatggc aggtcccctg tggcgggaccg cagcatattgt gcagagacac aggacaggcc 120
tcttggtggg ttctgtgca ggcctgtttg gagttccagt ctcgtaccac ctcttccccg 180
atcccgtggg ccaatggctc taccagtact ggcctcaggg ccasccagct ccgctccctc 240
cacagctgca gagcctcttc caagaggtgc tacaggacat aggtgttcct tcaggccatt 300
gctacaagcc cttcaccacc ttcaccttc agcctgtgag tgcaggcttc ccaagactcc 360
ctgctggggc tgtggtgggc atccctgcc a gtttcttggg agacctagt atcaaacata 420
accatcccgt ggtcatacat gggcatacag tggamtkgcg gagccagcar gcgccccggt 480
gagagcttcc ctgacctgt cccgtgaagc ccagaagttc gccttggcca ggggaagtgg 540

```

## 1218

```

gtacctggaa agcagtagca ctgccgtgca cgccttgctg gccccagctt gcctggcagg 600
gacctgggca ctgggcgtgg gtgccaagta caccctgggg ctccatgcag gccccatgaa 660
tttacgggct gccttcagct tgggtggcagc agtggcaggc tttgtggcct acgccttctc 720
ccaggattct ctactcatg ccgtggagtc ctggctggac cgcgcacagg cytccctctc 780
tgcagcctat gcctgtgggtg gagtggagtt ctatgagaag cttctgtcgg gcaacctggc 840
cctgcgcant ctctttgggc aaaagaaggg ggagaagctg tatacaccca acngggaaca 900
tcgtccccna gacacttggt cc                                     922

```

&lt;210&gt; 1939

&lt;211&gt; 756

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1939

```

tcccnacccc tcttccccct actttgcctt accccctcac ccctcaagac agatgcccc 60
ttgcctttta aaaagttgga ttttaaccga cgtgtttagt ggttcttggg ctgtgtgaag 120
gcagagacca gagagaagga agtgagccca ctgctctcct gggagcaatg tgggtgagtc 180
caccagaggc cctgctgtgt gtggccaata aatttttagt tccccagcc ctcgaggcag 240
tgtgtgtgga tgtatgcgtg tggatatatta tatatgtacc ctgcactcat gaatgtatga 300
actggaggaa gttactacag tggaaagggtt cttaataaca aggtctacct agcatgaagt 360
atttaacatt ctcccatccc ttaaaaaata tacattttta taaaatgaaa accataataa 420
atgttttgaa tattaataaaa aataataacc tacagaggaa aattaatgga gacagctatt 480
tgccttgtac tttttccaca attgttgctg ctagtgtgac acatctctag ttcagctctt 540
gcccacggga cactcatcaa ttaggtttta tttttawttc tttctcttac cccagaaac 600
aagcctgtta atttttttcc ttctctcttg gsgactgtgt gatgaaycct tycttgcgtg 660
atcaggttgc ggataractt gtaagggkgt ttgctgcata cagkgtwagc attgtgaccg 720
ccaataaact tcaatggttt ctaaaaaaaaa aaaaaa                                     756

```

&lt;210&gt; 1940

&lt;211&gt; 1884

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1940

```

aggctgatta tttactgtct agaatggatg ttaccagctg catctcttac cgaaattttg 60
caagttgtat gggagactcc cgtttgttga ataaggttga tgcttatatt caggagcatt 120
tgttacaaat ttctgaagag gaggagtttc ttaagcttcc aaggctaaag ttggaggtaa 180
tgcttgaaga taatgtttgc ttgccagca atggcaaatt atatacaaag gtaatcaact 240
gggtgcagcg takcatctgg gagaatggag acagtctggw wgwgtgatg gaagagggtc 300
aaaccttgta ctactcagct gatcacaagc tgcttgatgg gaacctacta gatggacagg 360
ctgagggtgt tggcagtgat gatgaccaca ttcagtttgt gcagaaaaag ccaccacgtg 420
agaatggcca taagcagata agtagcagtt caactggatg tctctcttct ccaaatgcta 480
cagtacaaag ccctaagcat gagtggaaaa tcgttgcttc agaaaagact tcaataataa 540
cttacttgtg cctggctgtg ctggatggta tattctgtgt catttttctt catgggagaa 600
acagcccaca gagctcacca acaagtactc caaaactaag taagagttta agctttgaga 660
tgcaacaaga tgagctaata gaaaagccca tgtctcctat gcagtagcga cgatctggtc 720

```

1219

```

tggaacacgc agagatgaat ggcaaactca tagctgcagg tggctataac agagaggaat 780
gtcttcgaac agtcgaatgc tataatccac atacagatca ctggtccttt cttgctccca 840
tgagaacacc aagagcccga tttcaaattg ctgtactcat gggccagctc tatgtggtag 900
gtggatcaaa tggccactca gatgacctga gttgtggaga gatgtatgat tcaaacatag 960
atgactggat tctgtttcca gaattgagaa ctaaccgttg taatgcagga gtgtgtgctc 1020
tgaatggaaa gttatacatc gttggtggct ctgatccata tggtaaaaaa ggactgaaaa 1080
attgtgatgt atttgatcct gtaacaaagt tgtggacaag ctgtgcccct cttaacattc 1140
ggagacacca gtctgcagtc tgtgagcttg gtggttattt gtacataatc ggaggtgcag 1200
aatcttggaa ttgtctgaac acagtagaac gatacaatcc tgaaaataat acctggactt 1260
taattgcacc catgaatgtg gctaggcgag gagctggagt ggctgttctt aatggaaaac 1320
tgtttgtatg tgggtggcttt gatggttctc atgccatcag ttgtgtggaa atgtatgatc 1380
caactagaaa tgaatggaag atgatgggaa atatgacttc accaaggagc aatgctggga 1440
ttgcaactgt agggaaacacc atttatgcag tgggaggatt cgatggcaat gaatttctga 1500
atacggtgga agtctataac cttgagtcaa atgaatggag cccctataca aagattttcc 1560
agttttaaca aatttaagac cctctcaaac taacaggctt agtgatgtaa ttatggttag 1620
yagaggtaca cttgtgaata aagaggggtgg gtgggtatag atgttgctaa cagcaacaca 1680
aagcttttgc atattgcata ctattaaaca tgctgtacat actttttggg tttatttggg 1740
aaggaatgca aagatgaagg tctgttttgt gtacttttaa gactttggtt attttacttt 1800
ttggaaaaga ataaaccaag aattgattgg gcacatcaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaagggcgg ccgctcaaga gtat                                     1884

```

&lt;210&gt; 1941

&lt;211&gt; 2731

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1629)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1941

```

aaggcgtctg gagtttaatg ttacttggtg atatgagact tncattcttn cagggtggaag 60
atgagctcag ctccccagtg gtggtgttca gattttttcca ggaattacca ggctcagatc 120
cgggtgtttaa agccgtccca gtgcccaca tgacaccttc aggagtcggc cgggagaggc 180
actcgtgtga cgcgtggaat cgctggctgg gagaacagct gaagcagctg gtgcctgcaa 240
gcggcctcac agtcatggat ctggaagctg agggcacgtg tttgcggttc agccctttga 300
tgaccgcagc agtttttagga actcggggag aggatgtgga tcagctcgta gcctgcatag 360
aaagcaaact gccagtgtctg tgctgtacgc tccagttgcg tgaagagttc aagcaggaag 420
tggaagcaac agcaggtctc ctatatgttg atgaccctaa ctggtctgga ataggggttg 480
tcaggtatga acatgctaata gatgataaga gcagtttgaa atcagatccc gaagggggaaa 540

```

1220

```

acatccatgc tggactcctg aagaagttaa atgaactgga atctgacctt acctttaaaa 600
taggccctga gtataagagc atgaagagct gcctttatgt cggcatggcg agcgacaacg 660
tcgatgctgc tgagctcgtg gagaccattg cggccacagc cggggagata gaggagaact 720
cgaggcttct ggaaaacatg acagaagtgg ttcggaaagg cattcaggaa gctcaagtgg 780
agctgcagaa ggcaagtga gaacggcttc tgggaagagg ggtgttgcgg cagatccctg 840
tagtgggctc cgtgctgaat tgggtttctc cggtcaggc tttacagaag ggaagaactt 900
ttaacttgac agcaggctct ctggagtcca cagaacccat atatgtctac aaagcacaag 960
gtgcaggagt cagctgcct ccaacgcct cgggcagtcg caccaagcag aggttccag 1020
gccagaagcc ttttaaaagg tccctgcgag gttcagatgc tttgagtga accagctcag 1080
tcagtcacat tgaagactta gaaaagggtg agcgccatc cagtgggccc gagcagatca 1140
ccctcgaggc cagcagcact gagggacacc caggggctcc cagccctcag cacaccgacc 1200
agaccgaggc cttccagaaa ggggtcccac acccagaaga tgaccactca caggtagaag 1260
gaccggagag cttaagatga gactcattgt gtggtttgag actgtactga gtattgtttc 1320
agggaagatg aagttctatt ggaaatgtga actgtgccac atactaatat aaattactgt 1380
tgtttgtgct tcactgggat tttggcaca atagtgtcct gaaaggtagg ctttctagga 1440
ggggagttag cttgtctaac ttcattgtaca tgtagaacca catgtttgct gtctactac 1500
gacttttccc taagttacca taaacacatt ttattcaca aaaacacttc gaatttcaag 1560
tgtctaccag tagcaccctt gctctttcta aacataagcc taagtatatg aggttgcccg 1620
tggcaactnt tttggtaaaa cagcttttca ttagcactct ccaggttctc tgcaacactt 1680
cacagaggcg agactggctg taccctttgc tgcgggtctt tagtacgac aagttgcaat 1740
atacagtggg actgctagac ttgaaggaga gcagtgattg tgggattgta aataagagca 1800
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ataccgtttg taaagagaaa ctgtaaagtc tccctctgac catatatttt taaatactgg 1980
caaagctttt aaaattggca cacaagtaca gactgtgctc atttctgttt agtatctgaa 2040
aacctgatag atgctaccct taagagcttg ctcttccgtg tgctacgtag caccacactg 2100
gttaaaatct gaaaacaagt acccctttga cctgtctccc actgaagctt ctactgccct 2160
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ccgaagtact gcgtcacttt gtcgtaagta atggcccctg tgccttctta atccagcagt 2340
caagcttttg ggagacctga aaatgggaaa attcacactg ggtttctgga ctgtagtatt 2400
ggaagcctta gttatagtat attaaagccta taattatact ctgatttgat gggatttttg 2460
acattttacac ttgtcaaaat gcagggggtt ttttttggtg cagatgatta aacagtcttc 2520
cctattttgt gcaatgaagt atagcagata aaatggggga ggggtaaatt atcaccttca 2580
agaaaattac atgtttttat atatatattg aattgttaaa ttggttttgc tgaaacattt 2640
cacccttgag atattatttg aatgttggtt tcaataaagg ttcttgaaat tgttaaaaaa 2700
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa a

```

&lt;210&gt; 1942

&lt;211&gt; 749

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

1221

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1942

```
ctggagtaag gtgctgcgga cgacgcgncc tgggaggata aggatgaatt tttagatgtg 60
atctactggg tccgacagat cattgctgtg gtcctgggtg tcatttgggg agttttgcca 120
ttacgagggt tcttgggaat agcagggtaa gtcttgggta tcttatattt tcatggtatc 180
atctcttttt aaatagaggc tttttttcct gttacaggaa aggccattgc tgctctggna 240
gctgtgtgtg tgtgtratga ctaaagcaaa gaagcagccc tacagtggca ctccctgggtc 300
tggtgcacca ctctcagga gcatctcara ttctgcctga tcaatgcagg agtcctgtac 360
ctctacttca gcaattacct acagattgat gaggaagawt atgggtggcac gtgggagctc 420
acgarggaag ggtttatgac cycttttgcc ttgttcaggc cattggatca tcttttacac 480
tgccatccat tagnactgat ggtgtacagc tcccaatgct ccctatccag tccaaaggac 540
cctcttggtat tacagcacag gaacttggtat cgttggggaa cccagccctt tgggaacttg 600
gaagaccctg gtttccggga ccgcgaatca gtgtgttggg gcatcagtg tttctgacaa 660
gggttgtgac ctggaaactt tttaaaaacc acccacctt gggggaagca tttctggaat 720
tatccatcac caaccattct tcttgggat 749
```

&lt;210&gt; 1943

&lt;211&gt; 1222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1183)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1186)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1217)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1219)

&lt;223&gt; n equals a,t,g, or c



1222

&lt;400&gt; 1943

```

ggcccccttt ggctctgtag agccggcgga accgggtagc ttggccaggt tgtgaggaac 60
cgcagcgcgc cgcaggaccg ggccgctgag cctgcagccg ccccgcgccg tgacctgcga 120
ccctagaccc cgactccctt tggtcagcc cgcgcgcccc agggccggcc cgggcggcgc 180
gacgggagga tgagcggcgg gcggcggaag gaggagccgc ctacgcccga gctggccaac 240
ggggccctca aagtctccgt ctggagtaag gtgctgcgga gcgacgcggc ctgggaggat 300
aaggatgaat ttttagatgt gatctactgg ttccgacaga tcattgctgt ggtcctgggt 360
gtcatttggg gagttttgcc attacgaggg ttcttgggaa tagcaggatt ctgcctgac 420
aatgcaggag tcctgtacct ctacttcagc aattacctac agattgatga ggaagaatat 480
ggtggcacgt gggagctcac gaaggaaggg tttatgacct cttttgcctt gttcatggtc 540
atlttgatca tcttttacac tgccatccat tatgactgat ggtgtacagc tcccaagtgc 600
tccctatcca gtccaaagga cctcttgat tacagcacag gaacttgatc gttggggaac 660
cccagccccct tggaacttgg aagaccgtg tttcctggac cgcgaatcag tgtgttgggc 720
atcagtgttt tctgcaaggg ttgtgacctg aaacttttta aaaaccaccc accttgggg 780
aagcatttct gaatttatcc atcaccaacc atttcttctt ggataccatc aagtaacagc 840
tattatttgc caagtggagc tgtcatttaa tttgatgcac ctctggattc agatgaaaca 900
ttaaattgtc ttctcgtatt ctccatcggtg tgtagagttt ttaaactatc aatggcattt 960
caagtcttct gaaacagcat ggctgtatgt gcgtgggtcca tagcacagta catgcagcat 1020
ctaataagag tttccattgt agaatgtttt cacatacttg aataaatcaa atctttaatt 1080
gagaaaaaaa aaaaaaaaaa rccggccgct ctagagggat cccaagctta cgtacgcgtg 1140
ccatgccaac ggcataagct tcttttatag ggggcacctt aantcnaatt cactgggccg 1200
cgtttttaca acggcnngna ct 1222

```

&lt;210&gt; 1944

&lt;211&gt; 2786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1944

```

ggtggtcggc ggcggcgggc gcggcgggcg cggcacagag ccggtggtgg agccgcagag 60
gaggttcacg cagcacaatg ccagctctgc cctggacca actccagatc acccacaagg 120
acccgaagac aggaaagctg aggacttcac cagcgctgca ccccgagcag aaggcagacc 180
ggtattttgt gttatacaaa ccgcccccta aagacaacat tcccgcctta gtggaggagt 240
acctggaacg cgccaccttc gtagccaatg acctcgactg gtccttggcc ttgcctcacg 300
ataaattctg gtgccagggtg atctttgacg agactctaca gaagtgcctg gactcctacc 360
tgcgctatgt ccccgcaaaa ttgacgagg ggggtggcctc agccccctgag gttgttgaca 420
tgcagaagcg cctccatcga agtggttttc tcaccttcc cgcgatgtcc actcacaagg 480
aatccaaaga tcacttcatt tccccttctg cgtttggaga aatcctctac aataacttcc 540
tctttgacat tccaaagatc ctggacctct gcgtgctctt tggaaaaggc aactcaccac 600
tgctccagaa gatgatagga aacatcttta cacagcagcc aagttactac agtgacctgg 660
atgaaacctt gcctaccatc cttcagggtct tcagcaatat cctccagcac tgtggtttgc 720
aaggggacgg ggccaatacc acaccccaga agcttgagga gaggggccga ttgaccccca 780
gtgacatgcc tctcctggaa ttaaaggaca ttgttctcta cctttgtgat acctgcacca 840
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## 1223

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tcctccaggc agtcgagagt gcatgggaag ggggtggacag acggaaagcc acagatgcta 1320
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aaaaaaaaaa aaaaaaaaaa aaaaaa 2786

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&lt;210&gt; 1945

&lt;211&gt; 1483

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1478)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1945

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aatcggcac gagccgggct ctaccagag caagaccctg atggctgcgg tgtttctggt 60
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atatgaagct ctgcagaagc atgtttattg cttcagaata agcactcccc aagcattaga 420
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## 1224

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agaagaaata tattgccagt taccaagaga tactaaaatt gaagactttg gtacagtacc 540
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ttatgatatt atttccatgg tgtcagtgat tcatttcct gataggactt ataaactatc 660
ctgcagaata ttgtatcaat atttactctt ggctcaaggt caatttcatg atcttaagca 720
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aaagtaattg tgtgttcccc taatttatac aaanggantt ggg 1483

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&lt;210&gt; 1946

&lt;211&gt; 1587

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1946

```

aggaaatctc ggggtgcctt tactgtaaca agttatgctc ggctctcttt tattttacaa 60
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tgccatgtgc tgatttctct ttctttcttt ctttctttct ttctttcttt ctttctttct 180
ttctttcttt tctttcttgc aagctgtgat cggatgcaat ctttgtggga catttaaag 240
gaagggttca ttgatgtgta ttgcttgcca agccaaaatg ttgccttttg ggaaaaggga 300
gagaggtgtt catggagtgc agggaaagga ggttttgggg cagagatttt gacttaaaat 360
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tatgttcagt tatgatttgc cacttctgaa tattattttg gatttcccct ttcagtctta 480
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ggagatggga catacaagggt acttttggaa ttgccataga ttacacctat aatcagagta 600
aatgtcatca acaataatc aaaatatatt ttacatttgc tcttctaaaa tcagagccta 660
ttttaaatat aaaagaaagt agatgtgata ataataataa ctacagtcac attaatgtga 720
tattaaattc aaaatctaac atagatttgc actgttgggt gtgtgttccg aatcagtggg 780
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ctagtgtttt actatgactg tggtaaacat ttccaaagcc cacctgtggg aaatacaaaag 960
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gttccattta ggcatttgc aatattcgat ggcatcatga aaagacaaaa aaatcctata 1500
aaatatatca tatttttgcta tgattttgtg tgtacatgta ataaaattat taagtataaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaa 1587

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1225

<210> 1947  
 <211> 2007  
 <212> DNA  
 <213> Homo sapiens

<400> 1947  
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 gtatatgaca ttaagaagca agcgtggttt acttacaatg acctggagggt atcaaaaatc 180  
 caagaggctg ccgtgcagag tgatcgagat cggagtggct acatcttctt ttatatgcac 240  
 aaggagatct ttgatgagct gctggaaaca gaaaagaact ctcagtcact tagcacggaa 300  
 gtggggaaga ctacccgtca gscctcgtga ggaacaaact cctgggttgg cagcatgcac 360  
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 cgtagaatgc tccatgctat tttatggaaa ctttggtctc acatccgtag ctgattatcc 540  
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 ctgtgtatgt gtgtatacac acacacagac acacacacac acacacggga tgaatggagc 660  
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 tggagaagaa atgaagggtg caaagagtcc attcacctga gaaatgtgtg aagacatact 780  
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 tatagaaaaa tgaaaccatc attatattct ttcgtgtttt ttctttttatt ataaacaagg 1800  
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 ttaaaaaaaaa aaaaaaaaaa actcgag 2007

<210> 1948  
 <211> 1250  
 <212> DNA  
 <213> Homo sapiens

<400> 1948  
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1226

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ggtgctgcca tccccctgcc ctcagcctct ggcattttcc tccgttgaga ccatggaggg 240
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ccaggettca tctctctcaa ggcccaacca ctacctgctt attgacactc aggggtgtccc 360
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&lt;210&gt; 1949

&lt;211&gt; 2154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (635)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2152)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1949

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gtttatttat ttatttat tt tagaaataag agcctgggtg acaagagtga gactctgtct 60
ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa tggattgcct ggctctactc cgggcacagc 120
atgcaggccc agttctgtct ctctgtgttt tgttctgtct tcttccacat attggcatca 180
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gtgattgttt gaaagggaga ggaagaaaga gagangggag ggaggggaaga atggagggag 660

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1227

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gcagggaagg agacagagag agtagaatcc agccaccgga aaaatccaga atagctggct 720
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&lt;210&gt; 1950

&lt;211&gt; 652

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (502)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (525)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

## 1228

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 <222> (599)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (630)  
 <223> n equals a,t,g, or c

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 agtcagacag ggagcctggg gaggggccat ggtgccaatg cacttactgg ggagactgga 180  
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 gactkagagc ccagggyccct caggcaatgc acgggacaaat gaagcctttg aagtgccagt 420  
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 cccccctaca gcaactggtg gngatacccc cagcaccctg anganggaac aacctagccc 540  
 attccagaag ggggtccaggn agaagccaaa actgggaaca gaggccgaat gggccttana 600  
 aggggggtccc atggggcccca ggaagggaan cccctgggaa gaacttccaa at 652

<210> 1951  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (448)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (463)  
 <223> n equals a,t,g, or c

<400> 1951  
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 tggcccccaa aagattgcag ccaaattgtg tctcatcctt gcctgccccca aaggattcaa 180  
 atgctgtggt gacagctgct gccaggagaa cgagctcttc cctggccccg tgaggatctt 240  
 cgtcatcatc ttcttggtca tcctgtccgt cttttgcac tggtggcctgg ctaagtgcct 300  
 ctgtcgcaac tgcagagagc cggagccaga cascccagtg gattgccggg gggccctgga 360  
 actgccctcc atcatcccc cagagagggg gattctgaag cccagcytgg gccaaatccc 420  
 acagagccaa cccctcccta cagttcangc ctgaagaata tancgggga 469

<210> 1952  
 <211> 755  
 <212> DNA

1229

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (648)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1952

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```

&lt;210&gt; 1953

&lt;211&gt; 1022

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1953

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&lt;210&gt; 1954

&lt;211&gt; 1776

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1230

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 <222> (14)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (19)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (21)  
 <223> n equals a,t,g, or c

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 aaaaaaaaaa aaaaaaaaaa aaaaaagggc ggccgc 1776

<210> 1955  
 <211> 1129  
 <212> DNA

## 1231

&lt;213&gt; Homo sapiens

&lt;400&gt; 1955

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tgggtccact cgctttgggtc agtgggcttc tgggtccccc tttccctcac cggccctgtg 180
tgggtggaga ggcgtgagca ccctatctca gctgctattc gggcatgatg ctttgtagag 240
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ttgttttctt tcctggttgt gtgaaccagt tgctgctgtc atacccttgg cagggccagg 360
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```

&lt;210&gt; 1956

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1956

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ttgttcaaat cactgcagta gggctctgca aataaaataa tgtaacctat tatcatggat 180
ctaattgact gtaactttat cagtgaagg taaaatctca aataacaagt acaaacattg 240
aacaattacc tataaagatt tgtaaaagta aaaaaaaaaa 279

```

&lt;210&gt; 1957

&lt;211&gt; 923

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1957

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tcacagggta tataaattac tgattagaat tatttatatg tggccaattc ttaatgkcat 480
tgggaakgct gttycatttc aaycctcaaa gttactgtag cacagaaaat atcacaattt 540
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## 1232

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gasttccaaa aacaaaaaaaa aaa                                     923

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&lt;210&gt; 1958

&lt;211&gt; 1757

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1958

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&lt;210&gt; 1959

&lt;211&gt; 2856

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1959

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1233

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&lt;210&gt; 1960

&lt;211&gt; 1720

&lt;212&gt; DNA

1234

&lt;213&gt; Homo sapiens

&lt;400&gt; 1960

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&lt;210&gt; 1961

&lt;211&gt; 2854

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1961

```

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tactcctcca ggtaatgatg aaccctacac tgagcagatg ggcaactgtg gagagaaggg 420
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1235

```

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&lt;210&gt; 1962

&lt;211&gt; 4087

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1962

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1236

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1237

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aaaaaaaaa 4087
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&lt;210&gt; 1963

&lt;211&gt; 801

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (660)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (744)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (762)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (773)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (791)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (801)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1963

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cgggggtcat cttcttctctg gccctgctgc tgtgcattgc gcttctkctg tcctactcca 60
tccacctcct gctgacctgt gctgggtattg cagggactgg ttcttgaagg gaaacctcct 120
catcatcatc gtcagtgtgt taatcatect gccctcgcc ctcagtgaac acttgggcta 180
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## 1238

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ccttgctttg ntttgggtca n 801

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&lt;210&gt; 1964

&lt;211&gt; 1626

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1607)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1964

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gaactt 1626

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## 1239

<210> 1965  
<211> 590  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (557)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (583)  
<223> n equals a,t,g, or c

<400> 1965  
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<210> 1966  
<211> 1970  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

1240

<220>  
 <221> misc feature  
 <222> (81)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1964)  
 <223> n equals a,t,g, or c

<400> 1966  
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<210> 1967  
 <211> 1222  
 <212> DNA  
 <213> Homo sapiens

1241

<220>  
 <221> misc feature  
 <222> (1198)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1199)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1219)  
 <223> n equals a,t,g, or c

<400> 1967  
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 tggggctctc cagccctttg ggacttccaa tgggatctta gaagcagccg aagcagcgtg 180  
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 tatccgcgtg aatacacatg gctctgttac gaaaaattaa tcagggtgctg ctgttccttc 480  
 tgatcgtgac cctctgtgtg attctgtata agaaagtcca taaggggact gtgccaaga 540  
 atgacgcaga tgatgaatcc gagactcctg aagaactgga agaagagatt cctgtggtga 600  
 tttgtgctgc agcagggagg atgggtgcc ctatggctgc catcaatagc atctacagca 660  
 aactgacgc caacatcttg ttctatgtag tgggactccg gaatactctg actcgaatac 720  
 gaaaatggat tgaacattcc aaactgagag aaataaactt taaaatcgtg gaattcaacc 780  
 cgatggtcct caaaggggaag atcagaccag actcatcgag gcctgaattg ctccagcctc 840  
 tgaactttgt tcgattttat ctccctctac ttatccacca acacgaagaa agtcatctat 900  
 ttggacgatg atgtaattgt acaagggtgat atccaagaac tgtatgacac caccttggcc 960  
 ctgggccacg cggcggcttt ctcatgatgac tgcgatttgc cctctgctca ggacataaac 1020  
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 aaggaccttg gcatcagccc cagcacctgc tctttcaatc ctggtgtgat tgttgcaaca 1140  
 tgacagaatg gaagccaccr cgcacacca agcaattgga gaaaggatgc aaaagaanng 1200  
 gaggaaaacc tttttgcang tt 1222

<210> 1968  
 <211> 1438  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (7)

1242

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1351)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1389)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1424)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1968

```

nccccggnctt naggaattcg gcacgagaaa aaagaaaaga aaagaaaaga aaaaaaaagg 60
tgctcaacat tactgatcat cagagaaatg caaatcaaaa ctccagtgag atatcatctc 120
cctttagtta aaatggccta tatccaaaag gcagaaaata acaaatgcaa ggatgtggag 180
gaaagggaac ccttgtatata tggttggtgta catagtgggt gaaccactat ggagaacaat 240
ttggaagtgc ctcaaaaaaa caaaaaatag agctaccata tgacccagca atcccactgt 300
tgggtatata cccaaaagga aggaaatcag tatattgaag agatacctac actcccatgt 360
ttgttcgagc actgttcaca atagctaaga tttgaaggca acctaagtg ccatcaacag 420
atgaatggat acagaaaatg tggtagctat acacaatggg tactagtcag cctgggtgac 480
agagtggagc tgtctcaaaa aaaaagaaac aaagaaagat aaataaagaa aaagacattg 540
atgaacagta ggtaatcacc tgaagggtaca aaactcactc gtaatagtaa gtatgcaggg 600
aaaaaaagat ttttgtaaca ttgtaactat gtgtgtaatc tactcttata ctaagtagaa 660
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tgttcccttg cctgctactc acctcctgct gtgtggccca gtttctaaca ggccacagac 780
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agtaaattat atcaccagag, aaatcagct tcacttaagg aagacaggaa ggaaagaagg 960
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gataaaaaaa aacaagaccc attgattygy mgcctacaag aactacattt cacctataaa 1140
gacacmcata gactgaaaat aaaggggtat aaaagatact ccatgccaac agaaaccaa 1200
aaagagcagg agttgctata cttacatcag acaaaacaga ttttaagaca aaaatctata 1260
agaagagaca aagaagggtca ctatataatg ataaggggtc aatgcagcag aggattayaa 1320
tttaattttat gaccacatga gactgattta ngaatatata gagtagaagg taagtatcat 1380

```

## 1243

atctggatna tccatgagat gcaattcgcg aatacaagac tngnttttgt gctagata 1438

<210> 1969

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<400> 1969

```

agctcgtgct aaacctcttt tctttataaa ttaccacagtg atgtgggttg gctgtgtccc 60
cacccaaatc tcatcttgaa ttccctacgtg ttgtggggagg gaccacagtgg taggtaattg 120
aatcatggcg gcaggtcttt cccttgctat tctcgtgatc atgaataagt ctcatgagat 180
ctgatgattt taaatactgg agtttccct gcacaagctc tctctttgcc tgctgccagc 240
catgtaagac atgacttgct cctycttgcc ttccatcatg attgtgaggc cttcccagcc 300
acgtggaact gtaagtccat taaacctctt tttttttata aatggccaag tctcaaatat 360
gnctttatca acagcgtgaa atggactagt accgtaaatt ggtaccaata gaatggggca 420
ctgcttaaaa gatcccgaaa atgtgaaagc gactttggaa ctgggtaata ngcaaaaggt 480
tgcantgaac ttaaaatcat tgccactgna cttcaacctg ggc 523

```

<210> 1970

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

1244

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (774)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1970

```

nnnnaytagt tttgcanagc tatttaggtg acactataga aggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cggaaggctc cagaggctgt gggaagcagc 120
acatcagcga cagctcctgg ctgctggact ccgcagggag ggaaggaaga ttggtcgcaa 180
tgtcccagca gaagtgcac gtgatctttg ccctgggtgtg ctgctttgcc attctggttg 240
cactgatctt ttcagccgtg gacatcatgg gagaggatga ggatggactc tcagaaaaaa 300
attgccaaaa taaatgtcga attgccctgg tggaaaatat tcctgaaggc cttactatt 360
cagaaaatgc accatttcac ttatcacttt tccaaggctg gatgaattta ctcaacatgg 420
ccaaaaagtc tgttgacata gtgtcttccc attgggatct caaccacact catccatcag 480
catgtcaggg tcaacgtctt ttgaaaagt tgctccagct gacttcgcaa aatattgaaa 540
tcaagctagt gagtgatgta acagctgatt caaagggtatt agaagccttg aaattaaagg 600
gagccgaggt gacgtacatg aacatgaccg cttacaacaa gggccggctg cagtcctcct 660
tctggatcgt ggacaaacag cacgtgtata tcggcagtg cggtttggac tggcaatccc 720
tgggacaggt acatatactt ctatatagct gtaaatagat gatatggttt gtgnt 775

```

&lt;210&gt; 1971

&lt;211&gt; 1134

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

1245

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1971

```

gaacaagctg ttactaatgt actggagttt ctgtgcaaac tgtctaccat aaaccatgaa 60
aggattcaaa gttcatagtt cttcttttgt tcctttgtta atnactgact tcnnactagt 120
gggaggtgcc tcccaagttt gctaatacat tctttttgga taaggatgac gcacagattg 180
tcctaataag gacttagatt gagaaagacc gccccctctg agaagagggg acaagtcaga 240
gagagggcgg gcagttttctt ttttaactag ggatgacaca agcataagtc atttccttat 300
taattggttc aaaccagttc ttacaggaac tagtggtgat aaatgtggga cttctgagaa 360
gtcattcatt ttattctttg tgccatacca gagtacagta tcagctgagc tgaccttact 420
ctgaggacta actcttttgc tggaagcggg ttctgattta cagctcttgg tttctcccag 480
acatgttggg gggagagatt ttgggttttta aggggttggg agatggagta aattttcttt 540
tttttttttt ttttttttaa ctaaaaaggg gtcacagaat ttcagcagtt ctctgatttt 600
tatattttat tcctcttctt atccaatccc tgcccttttg gtccaggtgg taagtacatt 660
ttctttaacg tttttcttgc ttttcttccc aaatgtgtct ttttctttgg gctactgtac 720
cctgcttcca gtgctgtccc cggcataggt ccatctctgc agaagccatt tcaggagtac 780
ctggaggtc aacggcagaa gcttcaccac aaaagcgaaa tgggcacacc acaggagaa 840
aactggttgt cctggatgtt tgaaaagttg gtggtgtgca tgggtgtgta cttcatccta 900
tctatcatta actccatggc acaaagttat gccaaacgaa tccagcagcg gttgaactca 960
gaggagaaaa ctaataaagt agagaaagtt ttaactgca gaaattggag tggatgggtt 1020
ctgccttaaa ttgggaggac tccaagccgg gaaggaaaat tcccttttcc aacctgtatc 1080
aatttttaca acttttttcc tgaaagcagt ttagtccata ctttgcactg acat 1134

```

&lt;210&gt; 1972

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (414)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (447)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c



1246

<220>  
 <221> misc feature  
 <222> (451)  
 <223> n equals a,t,g, or c

<400> 1972  
 gcggnttcgt gggctgctct gcaactctcag gtattccctg ctcttactcc aaaaagatgg 60  
 acccaggtcc gaaggggcac tgccactgtg gggggcatgg ccatacctcca ggtcactgcg 120  
 ggccaccccc tggccatggc ccaggggcct gcggggccacc cccccaccat ggtccagggc 180  
 cctgcggggc accccctggc catggcccag ggccctgcgg gccaccccc caccatggtc 240  
 caggggcctg cgggcctccc cctggccatg gcccaggtca cccaccccc ggtccacatc 300  
 actgaggaag tagaagaaaa caggacacaa gatggcaagc ctgagagaaat tgcccagctg 360  
 acctggaatg aggcctaaac cacaatcttc tcttcctaataaacagcctc ytanaggcca 420  
 cattctattc ttttaaaaaa aaaaaanaa n 451

<210> 1973  
 <211> 1385  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1303)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1307)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1360)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1382)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1385)  
 <223> n equals a,t,g, or c

<400> 1973  
 aagagaaaga tgtcactgtc tctaattctcc ctgtcatttt tatttccagc aggcgcgggg 60  
 cgaaggagct gctagaacaa tgctgaggcg ggtgaggtga ggagcagccc ctgcgggcag 120  
 ccccgacaga gtgtctggaa caggtgattg gaggagccgg agaccagggc acctgggcat 180  
 ctttccccct gcctctgcca ggccccgcgc ccctaaaagg tgggaaaacc atggcgacca 240

1247

```

atttcagtga catcgtcaag caaggctacg tgaagatgaa gagcaggaag ctcgggatct 300
accggagggtg ctggctgggtg ttccggaaat cctccagcaa ggggccccag cggctggaga 360
agtatccaga tgagaagtcg gtgtgcctcc ggggctgccc caagggtgact gagatcagca 420
acgtcaagtg tgttacgcgg ctccccaagg agaccaagcg gcaggcgggtg gccatcatat 480
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acaagacact atctgtggag tgtctggggg cccgcctcaa cgacatcagt ctgggagaac 600
ctgacctcct ggccccaggg gtgcagtgtg aacagacaga tcgcttcaat gtcttctctgc 660
tgccctgccc caacctggac gtgtatggcg agtgcaagct gcagatcacc caccagaaca 720
tctacctctg ggacatccac aacccccgtg tgaagctcgt ctcgtggscc ctctgctyam 780
tgcgccgcta tggccgggat gccacacgct ttaccttcga ggctggccgg atgtgtgatg 840
ctggggaagg actctatacc ttccagacac aagaggggga gcagatttac cagcgcgtcc 900
acagtgccac cctggccatc gcagagcagc acaagcgggt cctgctggaa atggagaaga 960
cgtgaggctg ctgaacaagg gcacggaaca ttactcgtat ccctgcacac ccacgaccat 1020
gctgcsgcgc agtgccactt ggcaccacat cactggttcc cagaacatcg ccgaagcctc 1080
cagctatgct ggtgagtcgc ttccatgccc cacaccacc tgccaggagg ctttgtggag 1140
gatgaggcct gttgggcagg ggtcttttga cctagctctg agttctgagc ctgcttctgt 1200
gccacaggt gacgggtatg gggcaagccc agggcagctc ggaaacagac ctctcaacag 1260
attcatcctg ctaaagccaa agcccagcca gggggacaag cantgangcc aagaccccat 1320
cccagtgaca cagtgtggc gagcacgcat gactggtggn ggctgctgct tgcgggctgg 1380
cntcn 1385

```

&lt;210&gt; 1974

&lt;211&gt; 748

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1974

```

tacgccncca ggccccggtc cggaattccc gggctcgacc acgcgtccgc ttttaaccaga 60
cagctcagac ctgtatggag gctgccagtg acaggttagg tttagggcag agaagaagca 120
agaccatggt ggggaagatg tggcctgtgt tgtggacact ctgtgcagtc agggtgaccg 180
tcgatgccat ctctgtggaa actccgcagg acgttcttcg ggcttcgcag ggaaagagtg 240
tcacctgcc ctgcacctac cacacttcca cctccagtcg agagggactt attcaatggg 300
ataagctcct cctcactcat acggaaaggg tggctcatctg gccgttttca aacaaaaact 360
acatccatgg tgagctttat aagaatcgcg tcagcatatc caacaatget gagcagtcgg 420
atgcctcatc accattgatc agctgaccat ggctgacaac ggcacctacg agtggtctgt 480
ctcgctgatg tcagacctgg agggcaacac caagtcacgt gtccgcctgt tggctcctgt 540
gccacctcc aaaccagaat gcggcatcga gggagagacc ataattggga acaacatcca 600
gctgacctgc caatcaaagg agggctcacc aacccctcca gtacagctgg aaagargtta 660
caacatcctg aatcargagc agcccctggc ccasccacct caggttcaac ctgttctccc 720
ttaaaaaata tctcccacag aacacatc 748

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&lt;210&gt; 1975

&lt;211&gt; 771

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1248

&lt;400&gt; 1975

```

ggccacgagg taagtcccg cgctccgctt ggcccaagat ggcggcctcc gtgtgcagcg 60
ggttgctggg gccacgggtg ctgtcctgga gccgagagct gccttgcgct tggcgcgccc 120
tgcacacctc cccggtctgc gccaaagaacc gggcgggccg agtacgcgta agcaaggggg 180
acaagccggg gacctacgag gaggcacacg cgccgcacta catcgcccac cgtaaaggct 240
ggctgtcgct gcacacaggt aacctggatg gagaggacca tgccgcagag cgaacgggtgg 300
aggatgtttt ccttcgcaag ttcattgtgg gtaccttccc aggctgcctg gctgaccagc 360
tggtttttaa ggcgcggggg aaccagttag agatctgtgc cgtggtcctg aggcagttgt 420
ctccacacaa gtactacttc ctctgtgggt acagtgaaac tttgctgtcc tacttttaca 480
aatgtcctgt gcgactccac ctccaaactg tgccctcaaa ggttggtgtat aagtacctct 540
agaacaatcc ctttttttcc atcaagctgt agcctgcaga gaatggaaac gtgggaaagg 600
aatggtatgt gggggaaatg catccctca gaggactgag gcatagtctc tcatctgcta 660
ttgaataaag accttctatc ttgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg g 771

```

&lt;210&gt; 1976

&lt;211&gt; 1712

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1688)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1692)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1697)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1976

```

ccgcgcgttg gccgattcat taatcagctg gcacgacagg tttcccgact ggaaagcggg 60
cagtgcgcgc aacgcaatta atgtgagtta gctcactcat taggcacccc aggctttaca 120
ctttatgctt ccggctcgta tgttggtgtg aattgtgagc ggataacaat ttcacacagg 180
aaacagctat gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctggg 240
acgcctgcag gtaccgggtc ggaattcccg ggtcgaccca cgcgtccggg ccctaggaga 300
taagagtatc ttgcacagca ggtgcagggt tcccagcagc tcaggcaaga gtccgatgtt 360
tgtgccatct gatcctgatg tctggagaga tagccatgtg tgagcctgaa tttggcaatg 420
acaaggccag ggagccgagc gtgggtggca ggtggcgagt gtcctggtag gaacggtttg 480
tgcagccatg tctggtcgaa ctgctgggct ctgctctctt catcttcatc ggggtgcctgt 540
cgggtcattga gaatgggacg gacactgggc tgctgcagcc ggccctggcc cacgggctgg 600
ctttgggggt cgtgattgcc acgctgggga atatcagtgg tggacacttc aacctgcgg 660
tgtccctggc agccatgctg atcggaggcc tcaacctggg gatgctctc ccgtactggg 720
tctcacagct gctcgggggg atgctcgggg ctgccttggc caaggcgggt agtcctgagg 780
agaggttctg gaatgcatct ggggcggcct ttgtgacagt ccaggagcag gggcaggtgg 840
caggggctgt ggtggcagag atcatcctga cgacgctgct ggccctggct gtatgcatgg 900

```

1249

```

gtgccatcaa tgagaagaca aagggccctc tggccccggt ctccatcggc tttgccgtca 960
ccgtggatat cctggctggg ggcctgtgt ctggaggctg catgaatccc gcccgctgtt 1020
ttggacctgc ggtggtggcc aaccactgga acttccactg gatctactgg ctggggccac 1080
tcctggctgg cctgcttggt ggactgctca ttaggtgctt cattggagat gggaagaccc 1140
gcctcatcct gaaggctcag tgaagcagag ctgctgggat tcctgctgct ccagggtgtcc 1200
tcagctcacc tgtcccagac tgaggacagg ggagtctctg catttctgct cagggcagag 1260
gccagagga gcgacccctt gcttccactg cttgggcctg ctttctcaga tagactgact 1320
gctgaggagg ctctagggtt ttggaattcc tttgtgctca tcagagaccc cagcctgggg 1380
aacacgctgc ccgactgccc cagagagcag tgcaaacacc acaacacgag cgtgtttctt 1440
gagaggaatg tccccgagtt ggacaaggag gctgtttctg cacatcagct catttcccgc 1500
accccatctt tktcttgatt gctttgttgg gggcctggcc acttcttgc ttctcaagct 1560
gacaattctg cactttgcaa taaatagtcc agtgtttcct tccaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaangg gnggccnttt taaaggatcc aa 1712

```

&lt;210&gt; 1977

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1977

```

atggtgtgac tcggccgacg cgagcgccgc gcttcgcttc agctgctagc tggcccaagg 60
gaggcgaccg cggagggtgg cgagggggcg ccaggacccg cagccccggg gccgggcccg 120
tccggaccgc cagggagggc aggtcagtg gcagatcgcg tccgcgggat tcaatctctg 180
cccgtcttga taacagtctt ttcccttggc gctcacttcg tgcttggcac ccggctgggc 240
gcctcaagac cgttgtctct tcgatcgctt ctttggactt ggcgaccatt tcagagatgt 300
cttccagaag taccaaagat ttaattaaaa gtaagtgggg atcgaagcct agtaactcca 360
aatccgaaac tacattagaa aaattaaagg gagaaattgc acacttaaag acatcagtgg 420
atgaaatcac aagtgggaaa ggaaagctga ctgataaaga gagacagaga ttttngaga 480
aaattcgagt ccttgagg 498

```

&lt;210&gt; 1978

&lt;211&gt; 4485

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1978

```

gtaacttctc gggaagatga ggcagtttgg catctgtggc cgagttgctg ttgccgggtg 60
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gctggctaag aaggcgatta ctgcaatctt tgaccagtta ctggagtgtt ttactgaagg 180
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caatgcaatg ttgtgggata aagtttctcc tagtgggatt ggccatataa ccaattgctt 420
cctaagtgtt gaaggaactg atggagataa agcctatctt atgacagaag gatcagatga 480
aaaaagagt gtgaagacag ttaatcaact ggcccatgcc cttcacatgg acaagattt 540

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1250

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gaaagctggc tgtcttgtac gtgtgttttg ccaaaagcaa aatgtgccct cttgagagat 600
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gataagtttt gcctagatgc tgatgtcttt gttttggtcg caaactctga atcaacacta 720
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```

## 1251

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catgatccac ccgccttggc ctcccaaagt gctgggacta caggcgtgag ccaccgtgcc 3660
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gattcaaagtg gatctaagta ttttaaacad ttagaatact aatttaagca aggcttgaaa 4140
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aatccagata tgatagctca tgactatagt cacagctacc ccagaggctg aggtggaagg 4380
ccaagaagtt tgaggctgtg gtgatggtga gctatggagg taccactgtg ctccaacctg 4440
tgtgacagag tgagactctc ttttctttca aaaaaaaaaa aaaaaa 4485
```

<210> 1979

<211> 2486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2465)

<223> n equals a,t,g, or c

1252

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2470)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1979

```
ngnacgttna tcttccaagg nccactata gaaggtaacg ctgcaggtaac cgggtccggaa 60
ttccccggtcg acccacgcgt ccgcggacgc gtggggcggac gcgtgggcgc agccccggag 120
cccggggccag ggtccacctg tccccgcagc gccggctcgc gccctcctgc cgcagccacc 180
gagccgccgt ctagegcccc gacctcgcca ccatgagagc cctgctggcg cgctgcttc 240
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actgtgactg tctaaatgga ggaacatgtg tgtccaacaa gtacttctcc aacattcact 360
ggtgcaactg cccaaagaaa ttcggagggc agcactgtga aatagataag tcaaaaacct 420
gctatgaggg gaatggtcac ttttaccgag gaaaggccag cactgacacc atggggccggc 480
cctgcctgcc ctggaactct gccactgtcc ttcagcaaac gtaccatgcc cacagatctg 540
atgctcttca gctgggcctg gggaaacata attactgcag gaaccacagc aaccggaggc 600
gaccctggtg ctatgtgcag gtgggcctaa agccgcttgt ccaagagtgc atggtgcatg 660
actgcgaga tggaaaaaag ccctcctctc ctccagaaga attaaaattt cagtgtggcc 720
aaaagactct gagggcccg c ttaagatta ttgggggaga attcaccacc atcgagaacc 780
agccctggtt tgcggccatc tacaggaggc accggggggg ctctgtcacc tacgtgtgtg 840
gaggcagcct catcagccct tgctgggtga tcagcgccac aactgcttc attgattacc 900
caagaagga ggactacatc gtctacctgg gtcgctcaag gcttaactcc aacacgcaag 960
gggagatgaa gtttgagggtg gaaaacctca tcctacacaa ggactacagc gctgacacgc 1020
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gagagtctca cacttcttac cctggatccg cagtcacacc aaggaagaga atggcctggc 1500
cctctgaggg tccccaggga ggaaacgggc accaccgct ttcttgctgg ttgtcatttt 1560
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ggggnccggn accaattcgc cctaaa 2486
```

&lt;210&gt; 1980

&lt;211&gt; 915

1253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (172)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (724)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (825)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (845)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (848)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (855)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (886)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1980

ggagcgcaac gcaattaatg tgagtttagct cactcattag gcaccccgagg ctttacactt 60  
tatgtcttcg gctcgtatgt tgtgtggaat tgtgagcgga taacaatttc ncacaggaaa 120  
cagctatgac catgattacg ccaagctcga aattaaccct cactaaaggg ancaaaagct 180  
ggagctccac cgcggtggcg gccgctctag aactagtgga tcccccgkkc tgcaggaatt 240  
cggcacgaga ggacataaca gaagcaatag agactaccat tagtcttgaa acagcacgtg 300  
cagaccatcc gaagcctgta actgtgaaac cagtaacaac ggaacctcag agtccagatc 360  
tgaacgatgc cgtgtccagt ttgcgaagtc ctattcccct cctcctgtcg tgtgcctttg 420



## 1254

```

ttcaggtggg gatgtatttc atgtagaagg tggagaagg ctgctatgac tctttggatg 480
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aaaaaaaaaa aaaaaaaact cgagggggggg cccgggtaccc aattcgccct atagtgaagtc 600
gtattacaat tcaactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcggttac 660
ccaacttaat cgccttgcag cacatccccc ttctgccagc tggcgtaata gcgaagaggc 720
ccgnaccgat cgccttccaa cagttgcgca acctgaatgg cgaatggcaa attgtaaagc 780
gttaatatatt tggtaaaatt cgcggtaaat tttggtaaat caagntcatt ttttaaccaa 840
taggnccnaa tcggnaaaat cccttataaa tcaaaaggaa tttganccgg gaatagggtt 900
gaatggttgt tccaa 915

```

<210> 1981

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 1981

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gtcgggggaga tgttcctggc gtttagagaa aggggtgaatg cctctcgaga agtggagcca 180
gtagaacctg aaaactgcc aattattgag gaacttgaaa gtggctctga agatattgat 240
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tttgcgccag atgaaccagg aaaaatcttc ttgatggatc tgaatgaaca aaacccaagg 360
gcacaagcgc tagaaatcag tgggtggattt gacaaagaat tatttaatcc acatgggatc 420
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aagtccactg tggagatatt taaatttgag gaacaacaac gttctctggg atacctgaaa 540
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ttctatgcc aagagacca ctattttacc aactccctcc tgtcattttt tgagatgatc 660
ttggatcttc gctggactta tgttcttttc tacagcccaa gggagggttaa agtgggtggcc 720
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gctgatgtag cagctaagaa cattcacata atggaaaaaac atgataactg ggatttaact 840
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agcaccgtgt atgccaaaca tggctctgtg ctccagggca cctctgtggc ttctgtgtac 1080
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ctagatagta aaaaaaaaaa aaaaaagtct acatatattt taaaagtaaa ctgataattg 1200

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## 1255

tatgataagt ggcactgtaa gtaaataagca aacaccaacc agtgagtgtg gcttttctta 1260  
tggatagaag taaaggagca gacagagatt ccttgatagc catcaaattg caagtcaggt 1320  
taatgacagt ccaacaagaa gccaaacttt acggatcttt gttagcagcc ccaatgttct 1380  
ttctacaata aaacatgtgg actatgtcca gtgaggtctc cgactca 1427

<210> 1982

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (699)

<223> n equals a,t,g, or c

<400> 1982

tgctgatgca ggccatctcc ctcttctccn cagaccgtcc aggtgtgctg cagcaccgcg 60  
tgggtggacca gctgcaggag caattcgcca ttactctgaa gtcctacatt gaatgcaatc 120  
ggccccagcc tgctcatagg ttcttggtcc tgaagatcat ggctatgctc accgagctcc 180  
gcagcatcaa tgctcagcac acccagcggc tgctgcgcat ccaggacata cacccttttg 240  
ctacgccct catgcaggag ttgttcggca tcacaggtag ctgagcggct gcccttgggt 300

## 1256

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gacacctccg agaggcagcc agacccagag ccctctgagc cgccactccc gggccaagac 360
agatggacac tgccaagagc cgacaatgcc ctgctggcct gtctccctag ggaattcctg 420
ctatgacagc tggctagcat tcctcaggaa ggacatgggt gccccccacc cccagttcag 480
tctgtaggga gtgaarccac agactcttac stggagagtg cactgacctg taggtcagga 540
ccatcagaga ggcaagggtg ncctttcttt taaaaggccc tgtggtcntg gggagaaatn 600
cctcagatcc cactaaaagt gtcaangtgt tgaaagggac caaagccgac caaaggatag 660
ggcattcctg ggggtctaata gncccaacaa taccacacnt tttgggttcg g 711

```

&lt;210&gt; 1983

&lt;211&gt; 523

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (504)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1983

```

aaaasgtmac gcctgacagg tmacccgagc cgaggattcc cgggtcgacc cacggcgctcc 60
gcatttgcaa taacagaaaa ggaattgcat gtatgaagtt ttcaatcgtg ggctttttctt 120
tgttgtgggg aggggggtcgg gggatagttt gattttccatt ttctgaaaac gacagacttg 180
gattctgttt gtgtgtgcat attttatcca gccttaagtt ataaaagctca tctgtcccg 240
tgcatccct gtgtattttc aggacatggc tcgtgggtgt gtgtgttcat tgtgtgcgtc 300
tgtatgtatt ttctgtgcat cactgttccc tctcctccc agtgtgcatt cagttaatat 360
aatcagttgc ttgntcttt caaagtgcct tgaaagtctg aactcatgtg tgagcatttt 420
atcaactatc ccaattgcag ttctccatca caaatctcct attggccngt acccctgaga 480
atagtttaga gaatggaata agcngtctgg aagatagcta gcg 523

```

&lt;210&gt; 1984

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1257

<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

<400> 1984  
atctactagg agtcagggtg taagcctaga gaggatgaaa gaaggggagg ggatggggag 60  
tggttaagaac ctaggatttg aattcccagc ctggccaacc cttgcagcca tgtcttggcc 120  
tcaagtggaa caagggctcc ttgaggccag cagggttggg ggagttgggg tgggcctgag 180  
cctctttcct gctagagctc ttggtcctcc ctgcctccac caccatccc tgctctgcag 240  
aaccctggg tgctgagtgg caggagcccc agggttgtcc catctgggta tggctggctg 300  
ggtcactaac ttctgtgatc tgcttccttc ctttccagat tatgcggatc aaacctcacc 360  
aaggccagca cataggagag atgagcttcc tacagcacia caaatgtgaa tgcagancaa 420  
agnaagatag agcaagacaa gaaaatccct gtgggccttn ctca 464

<210> 1985  
<211> 1233  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)

1258

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1985

```

atggaaaaac gccagcaacg cggccttttt acgggttcctg gccttttgnt ggccttttgc 60
tcacatgttc tntcctgcgt tatccctga ttntgtggat aaccgtatta ccgcctttga 120
gtgagctgat accgntcgcc gcagccgaac gaccgagcgc agngagtcag tgagcgagga 180
agcgggaagag cgcccaatac gcaaaccgcc tctccccgc gcgttgccg atttcattaa 240
tgcagctggc acgacagggt tcccgaactg aaagcgggca gtgagcgcaa cgcaattaat 300
gtgagtttagc tcactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtagt 360
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 420
gccaagctcg aaattaaccc tactaaagg gaacaaaagc tggagctcca ccgcggtggc 480
ggccgctcta gaactagtgg atcccccggt ctgcaggaat tcggcacgag catggttgtt 540
gcaaaacttt cttctatttc ttctcctcct ggtattctca ttactctgtt tcaccttgtg 600
tagttgtccc acagtcttgg atatcatctt ctgttctttt cagtgtttct tttctttagt 660
tttcgaagtt tctgatgata aatcctcaag ctgagagatt ctttactcag ctgagtcag 720
tctactaata agccatcaga ggtattcttc agttatttaa cacatTTTT accactacat 780
tatgttgaag tttcttacga tgtctgtctt tctgattaca ttacctatct acacttgaat 840
gctgtctact tcattcatta gacccttagc atattctcca gaggtttaaa aaaatttcca 900
aaatcataac tttgtctgct tctgaagctt gctctgttga cacaattgt atttttttct 960
ttttttggat tttagtatgc cttgcaattt tttcccttta ttctcatgca tgaagcacc 1020
cactaaargt gactgytggt agtatagctt tartaatgcg gtgatgargt gacagggcag 1080
gtgatgctct cttagtctct ttargctact ataacaaaat acttttagact gagccsaata 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tcgagggggg 1200
gcccgaacca attcgcccta ctacgtgcgt cga 1233

```

&lt;210&gt; 1986

&lt;211&gt; 1583

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1986

```

ctgctggctc acctccgagc cactctgct gcgcaccgca gcctcggacc tacagcccag 60
gatacttttg gacttgccgg cgctcagaaa cgcccccaga cggccccctc accttttgtt 120
tgcctagggt cgccgagagc gcccggaggg aaccgcctgg ccttcgggga ccaccaattt 180
tgtctggaac caccctcccg gcgtatccta ctccctgtgc cgcgaggcca tcgcttcaact 240
ggaggggctc atttgtgtgt agtttgggtga caagatttgc attcacctgg cccaaaccct 300
ttttgtctct ttgggtgacc ggaaaactcc acctcaagtt ttcttttgtg gggctgcccc 360
ccaagtgtcg tttgttttac ttaggggtct cccgcccggt gccccagtg ttttctgagg 420
gcggaaatgg ccaattcggg cctgcagttg ctgggcttct ccatggccct gctgggctgg 480
gtgggtcttg tggcctgcac cgccatcccg cagtggcaga tgagctccta tgcgggtgac 540
aacatcatca cggcccaggc catgtacaag gggctgtgga tggactgctg cacgcagagc 600
acgggggatga tgagctgcaa aatgtacgac tcggtgctcg ccctgtccgc ggccttgacg 660
gccactcgag ccctaattgt ggtctccctg gtgctgggct tcctggccat gtttgtggcc 720
acgatgggca tgaagtgcac gcgctgtggg ggagacgaca aagtgaagaa ggcccgata 780
gccatgggtg gaggcataat tttcatcgtg gcaggtcttg ccgccttggg agcttgcctc 840
tgggtatggc atcagattgt cacagacttt tataaccctt tgatccctac caacattaag 900
tatgagtttg gccctgccat ctttattggc tgggcagggt ctgccctagt catcctggga 960
ggtgcaactg tctcctgttc ctgtcctggg aatgagagca aggctgggta ccgtgcaccc 1020
cgctcttacc ctaagtccaa ctcttccaag gagtatgtgt gacctgggat ctccctgccc 1080
cagcctgaca ggctatggga gtgtctagat gcctgaaagg gcctggggct gagctcagcc 1140
tgtgggcagg gtgccggaca aaggcctcct ggtcactctg tcctgcact ccatgtatag 1200

```

## 1259

```

tctctttggg ttgggggtgg ggggggtgccg ttgggtgggag agacaaaaag agggagagtg 1260
tgctttttgt acagtaataa aaaataagta ttgggaagca ggcttttttc ccttcagggc 1320
ctctgctttc ctcccgcca gatccttgca gggagcttgg aaccttagtg cacctacttc 1380
agttcagaac acttagcacc ccactgactc cactgacaat tgactaaaag atgcagggtgc 1440
tcgtatctcg acattcattc ccacccccct cttatttaaa tagctacca agtactttct 1500
ttttaataaa aaaataaaga tttttattag gtaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaa                                     1583

```

```

<210> 1987
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<400> 1987
tgaaaaccat ccgtctgcc a cgtggctgg cccccagccc ccaacctcca tctgcagga 60
gggtccgaag tgcttttct ctaaccagat tctgtcttct ctccagcagc ctgccccacc 120
aaggagatcc aggttaaaaa gtacaagtgt ggctcatca agccctgccc agccaactac 180
tttgcgttta aaatctgcag tggggccgcc aacgtcgtgg gccctactat gtgctttgaa 240
gaccgcatga tcatgagtc tgtgaaaaac aatgtgggca gaggcctaaa catcgccctg 300
gtgaatggaa ccacgggagc tgtgctggga cagaaggcat ttgacatgta ctctggagat 360
gttatgcacc tagtgaaatt ccttaaagaa attccggggg gtgcaactgg gctgggtggcc 420
tcctacgacg atccagggac caaaatgaac gatgaaagca ggaaactctt ctctgacttg 480
gggagtttct acgcaaaaca actgggcttc gggacagtgg g                                     521

```

```

<210> 1988
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<400> 1988
gcttgagtcc agatcttgta ctctctcat atttcttctg aaacatttaa aagtgtacat 60
tggttgtaa atgtcaaaca ttacttactt catacttttt tcctccaatc tttatttcac 120
agttgttcag gggatgaagg aagctcagga aaggctgacg ggtgatgcct tcagaaagaa 180
acatcttgaa gatgaattgt aacatgaatg tgcccccttct ttcatcagar ttagtgttct 240
ggaaggaaa gaggaggaa agggaatatt gaggaatcmt ctagaacaat taagccgamc 300
aggaaactca tycctaccta cctggaaaaga mgtccccccc ccccc                                     346

```

```

<210> 1989
<211> 952
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (944)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (945)
<223> n equals a,t,g, or c

```

1260

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (947)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1989

```
ggcacgaggc cctcgcgggc tggccccgcc gcgcccggcg cgcccgcgcg ccgggggggat 60
gtcttacaaa ccgaacttgg ccgcgcacat gcccgcgcgc gccctcaacg ccgctgggag 120
tgtccactcg ccttccacca gcatggcaac gtcttcacag taccgccagc tgctcagtga 180
ctacggggcca ccgtccctag gctacaccca gggaaactggg aacagccagg tgccccaaag 240
caaatacgcg gagctgctgg ccatcattga agagctgggg aaggagatca gaccacgta 300
cgcaggggagc aagagtgcc a tggagaggct gaagcgcggc atcattcacg ctagaggact 360
ggttcgggag tgcttggcag aaacggaacg gaatgccaga tcctagctgc cttggttggt 420
ttgaaggatt tccatctttt tacaagatga gaagttacag ttcattctcc ctgttcagat 480
gaaacccttg ttttcaaaat gggttacagt tcgtttttcc tcccatgggt cacttggtc 540
tgaacctaca gtctcaaaga ttgagaaaag attttgcagt taattaggat ttgcatttta 600
agtagttagg aactgcccag gttttttttg ttttttaagc attgatttaa aagatgcacg 660
gaaagttatc ttacagcaaa ctgtagtttg cctccaagac accattgtct ccctttaatc 720
ttctcttttg tatacatttg ttacccatgg tgttctttgt tccttttcat aagctaatac 780
cactgtaggg attttgtttt gaacgcata tgcacagcac ctttacttag tagccgggtc 840
ccatttgcca tacaatgtag gttctgctta atgtaacttc ttttttgctt aagcatttgc 900
atgactatta gtgcttcwwa gtcaattggg ccrkgeactt tttnntnaga gg 952
```

&lt;210&gt; 1990

&lt;211&gt; 606

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1261

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1990

```
atnanccctc actaaaggga acaaaagcng ggngctccac cgcggtgtcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagt attgggacag gtggctttgc 120
aaagggtcaaa cttgcctgcc atatccttac tggagagatg gtagctataa aaatcatgga 180
taaaaacaca ctagggagtg atttgccccg gatcaaaacg gagattgagg ccttgaagaa 240
cctgagacat cagcatatat gtcaactcta ccatgtgcta gagacagcca acaaaatatt 300
catggttctt gagtactgcc ctggaggaga gctgtttgac tatataattt cccaggntcg 360
cctgtcagaa gaggagaccc gggttgtcct ccgtcagata gtatctgctg ttgcttatgt 420
gcacagccag ggctatgctc acagggacct caagccagaa aatttgctgt ttgatgaata 480
tcataaatta aagctgattg actttggtct ctgtgcaaaa cccaagggtg acaaggatta 540
ccatctacag acatgctgtg ggagtctggc ttatgcagca cctgagttaa tacaaggcaa 600
atcata                                           606
```

&lt;210&gt; 1991

&lt;211&gt; 1097

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (905)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (916)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (940)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1031)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1056)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1080)

&lt;223&gt; n equals a,t,g, or c



1262

&lt;400&gt; 1991

```
tcgacccacg cgtccggtgc agtacgagct gtgggccgcg ctgcctggcg cctccggggt 60
cgccctggcc tgctgcttcg tggcggcggc cgtggccctg cgctgggtccg ggcgccggac 120
ggcgggtggcg cgggtggtccg ggcgcgacag aggcagcgag cgggcctgga gaacatggac 180
agggcgggcg accttccggc tccagaaccc agacctggac tcagaggcgc tgctagccct 240
gcccctgcct cagctggtgc agaagttaca cagtagagag ctggcccttg aggccgtgct 300
mttcacctat gtgggaaagg cctgggaagt gaacaaaggg accaactgtg tgacctccta 360
tctggctgac tgtgagactc agctgtctca ggcccaagg cagggcctgc tctatggcgt 420
ccctgtgagc ctcaaggagt gcttcaccta caagggccag gactccacgc tgggcttgag 480
cctgaatgaa ggggtgccgg cggagtgcga cagcgtagtgt gtgcatgtgc tgaagctgca 540
gggtgccgtg cccttcgtgc acaccaatgt tccacagtcc atgttcagct atgactgcag 600
taacccctc tttggccaga ccgtgaaccc atggaagtcc tccaaaagcc cagggggytc 660
ctcagggggt gaagggggccc tcatcggtc tggaggytyc cccctgggyt taggcactga 720
tatcgagggc agcatccgyt tcccctcctc cttctgcggc atctgcggcc tcaagccac 780
aggaacccg mctcaatgcg tctctccgtg ggcccatgg cccgggacgt ggaaaagcct 840
ggcacttgtg cctgcgaacc ctgcttggtc caaggacatg tttccgcttg gacccaatgt 900
gcctnccttg cccttnaaga agaggtctac accaagtttn aaccctgcg tgtgggttac 960
tatgagaatt gacaactata ccatgccttc ccggcatgaa gcggccctgc ttggaaacaa 1020
acagagctta ngttggggga cacctgcaag ctgcanttct aaaacataag ctgtcggtgn 1080
aattggaatt gaacaat 1097
```

&lt;210&gt; 1992

&lt;211&gt; 903

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (745)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (801)

&lt;223&gt; n equals a,t,g, or c

## 1263

&lt;400&gt; 1992

```
ncnaaatttaa cccctactaa aggggaacaaa agctggagct ccaccgcggt gncgtccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggcacctt cttcaagatg 120
gagctttttt aaggcatgcg agagagcacc aagatttcat ctctgttggc agaattggag 180
gcaattcaaaa gaaattcagc atcccaaaa agtgtcattg tctctcagtg gaccaacatg 240
ctgaaagttag tagcattgca cctgaagaag catggactga cttatgccac catcgatggc 300
tctgtcaatc ccaagcagag aatggacttg gtagaggcat ttaaccactc cagaggccct 360
caggtaatgc taatctctct cttggccgga gtgttggtct aaacctgact ggaggaaatc 420
acctctttct tttggacatg cactggaatc catcacttga agatcaagct tgtgaccgaa 480
tttaccgagt agggcagcag aaagatgttg tcatacacag rtttgtttgt gagggaacag 540
tagaagaaaa gatcttacag ctccaagaaa aaaagraaga tttggccaaa caagttctat 600
cagggctctgg agaatctgtc accaagctca ccttggtga cctcagagtc ctttttggca 660
tctaacctcc tgtggataag ggctcagaat agcaccattg ctgtgatgtt gcacctgtaa 720
ccatcttttt atgggtggag caganagtca atccctgcag ccacctgca gccagccatc 780
tctgcagttc tctcagtga ngcagttctt cctctcaggc tgaagatcaa ggagatgctt 840
tgtwcatgaa cagatgctga rtatctgtta tcattgtatt gtttartgtc agtgtatcat 900
tta 903
```

&lt;210&gt; 1993

&lt;211&gt; 2999

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2996)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1993

```
ttttttttta ttttttggtt tagcatttaa taggcacata atcaacattt actgttcaat 60
tgaaacaaaa ttaaaattgg gcgctgtctc tatctttatt tgtgacggc cctaactgca 120
ctggcaatct tttccgtttt tttgttttct gttttccatt cgcattcccc tttagcgtacc 180
tggggctccg gctcctttac aaatgaaacc caaagtgtct cgaagcacag ccagcgaaag 240
ganaaactct gaaacggaca agatggctgc cacctcttcg cgctctcttag tccccccac 300
tcagggcgga ggtctgcgtc atgtgacctt cccctctctg gctccgctcc taccgcagtg 360
cttgacggga ggcggacggg gaacgaggcc gtccggcattt tgtgtctget tcctgtggga 420
cgtggtggta gccgttgggt tgggaaagtg agggattttt ggccctcggtt ctccctgttc 480
ttttctcctc ccttttactt tgccggtaga acacagttat gggtcgcaag aagaagaagc 540
agctgaagcc gtggtgctgg tattgtaata gagattttga tgatgagaag atccctattc 600
agcaccaaaa agcaaagcat tttaaatgcc atatatgtca caagaaattg tatacaggac 660
ctggcttagc tattcattgc atgcaggtag ataaagaaac aatagatgcc gtaccaaatg 720
```

1264

```

caatacctgg aagaacagac atagagttgg aaatatatgg tatggaaggt attccagaaa 780
aagacatgga tgaaagacga cgacttcttg aacagaaaac acaagaaagt caaaaaaaga 840
agcaacaaga tgattctgat gaatatgatg atgacgactc tgcagcctca acttcatttc 900
agccacagcc tgttcaacct cagcaagggt atattcctcc aatggcacag ccaggactgc 960
caccagtacc aggagcacca ggaatgcctc caggcatacc tccattaatg ccagggtgttc 1020
ctcctctgat gccaggaatg ccaccagtta tgccaggcat gccacctgga ttgcatcatc 1080
agagaaaata caccagtcga ttttgcggtg aaaacataat gatgccaatg ggtggaatga 1140
tgccacctgg accaggaata ccacctctga tgcttggaaat gccaccagggt atgccccac 1200
ctgttccacg tcttggaaatt cctccaatga ctcaagcaca ggctgtttca gcgccaggta 1260
ttcttaatag accacctgca ccaacagcaa ctgtacctgc cccacagcct ccagttacta 1320
agcctctttt cccagtgctt ggacaggctc aggcagctgt ccaaggacct gttggtacag 1380
atttcaaacc cttaaatagt acccctgcaa caactacaga acccccaaag cctacattcc 1440
ctgcttatac acagtctaca gcttcaacaa ctagtacaac aaatagtact gcagctaaac 1500
cagcggcttc aataacaagt aagcctgcta cacttacaac aactagtgca accagtaagt 1560
tgatccatcc agatgaggat atatccctgg aagagagaag ggcacagtta cctaagtatc 1620
aacgtaatct tctcgggcca ggacaggccc ccctcggtaa tccaccagtt ggaccaattg 1680
gaggatgatg gccaccacag ccaggcatcc cacagcaaca aggaatgaga cccccaatgc 1740
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tgcccccgta tgggcaggga ccgccaatgg tgccccctta ccagggtggg cctcctcgac 1860
ctccgatggg aatgagacct cctgtaatgt cgcaagggtg ccgttactga tcttacttca 1920
tccagtctaa taggtttgga gattaaacct tttctcaact tgtgctgttt atatagccaa 1980
gcttccgtca ataaggcttc attgtgactt taacaaacat tatcttccca cataccagga 2040
actattggac atttatttta catgggaaaa attatttgga ataataaagc aggaactttt 2100
cctgaagttg caatttatac tgtatggctt ctttttcatg tttcatctag gtttttagaa 2160
gtgaagtata gtaaatttgg ttcgttaaatt tgtgaaggcg ctggaattac atgaacatac 2220
caccctagta aaggcaagtt ctgtaagctt acattgctat ttgtaaagtt tgccttcaca 2280
gcatttcaga tgctgttgga cttcatgtcc ccaacctagc ttggtgaggg ctgtaactgt 2340
ttccaagtac ttgtacattg gaagtctgaa tgtgtaacaa tatttaattg atttagagtt 2400
cctcatgttg cagggtttta gaaatctgac ccaccaagggt catgtgactt ttctgtactg 2460
ttaaacttca ttgtaataaa atgagagaaa aatttatgcc tttttattca taaccagct 2520
gtggaccact gcctgaaagg tttgtacaga tgcatgccac agtagatgtc cacataataa 2580
aattcatagt taccaatgca gtttanatat atcattggat tctgtctttg agttgtagggt 2640
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taagagaaaa acttaagata catgagtcac tacataatgg gtatgaaatc tttataatca 2760
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ttttgattat ttttgagact cagtactagc ttcttgtgct gttaatgggt tattatata 2940
tattctaagt gtaatgctga gaatctaaat gtgtctctgt tgggatgggt aacagntga 2999

```

&lt;210&gt; 1994

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1265

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1994

```

gcacaccgcg ctyagcgct tcaactgccat ccccgctgtc cttgccgccc ccgccaatggg 60
cctagagctg tttcttgacc tgggtgtccca gcccagccgc gccgtctaca tcttcgcca 120
gaagaatggc atcccccttag agctgcgcac cgtggatttg gtcaaagggtg ggcccagccc 180
gtttccccgc gtgtccacaa acccagtgc mccccaggcc cccgcctgct ctgccctgag 240
cgtctcgccg ccgcacagcc cctcacctcc tcttcagcgc tctgccacca gagaatgctg 300
tggactgagt ggcttggagg gatcacagnc tntctgaa 338

```

&lt;210&gt; 1995

&lt;211&gt; 2346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2262)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2344)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1995

```

ggtgccgtct gcctcccagg tgcgcgcttc gctcccggag ccgcggaact cggcgggccgc 60
catggcgctc aacatggacc gggagatgat cctggcggat tttcaggcat gtactggcat 120
tgaaaacatt gacgaagcta ttacattgct tgaacaaaat aattgggact tagtggcagc 180
tatcaatggt gtaataccac aggaaaatgg cattctacaa agtgaatatg gaggtgagac 240
cataccagga cctgcattta atccagcaag tcatccagct tcagctccta ctccctcttc 300
ttcttcagcg tttcgacctg taatgccatc caggcagatt gtagaaaggc aacctcggat 360
gctggacttc aggtttgaat acagagacag aaatgttgat gtggtacttg aagacacctg 420
tactgttggg gagattaaac agattctaga aaatgaactt cagataacctg tgtccaaaat 480
gctgttaaaa ggctggaaga cgggagatgt ggaagacagt acggtcctaa aatctctaca 540
cttgccaaaa aacaacagtc tttatgtcct tacaccagat ttgccaccac cttcatcatc 600
tagtcatgct ggtgccctgc aggagtcatt aaatcaaaac ttcatgctga tcatcaccca 660
ccgagaagtc cagcgggagt acaacctgaa cttctcagga agcagtacta ttcaagagggt 720
aaagagaaat gtgtatgacc ttacaagtat ccccgttcgc caccaattat gggaggggctg 780
gccaacttct gctacagacg actcaatgtg tcttgctgaa tcagggtctt cttatccctg 840
ccatcgactt acagtgggaa gaagatcttc acctgcacag acccgggaac agtcggaaga 900
acaaatcacc gatgttcata tggttagtga tagcgatgga gatgactttg aagatgctac 960
agaatttggg gtggatgatg gagaagtatt tggcatggcg tcatctgcct tgagaaaaatc 1020
tccaatgatg ccagaaaacg cagaaaatga aggagatgcc ttattacaat ttacagcaga 1080
gttttcttca agatatgggtg attgccatcc tgtatttttt attgggtcat tagaagctgc 1140

```

1266

```

ttttcaagag gccttctatg tgaaagcccg agatagaaag cttcttgcta tctacctcca 1200
ccatgatgaa agtgtgttaa ccaacgtgtt ctgctcacaa atgctttgtg ctgaatccat 1260
tgtttcttat ctgagtcaaa attttataac ctgggcttgg gatctgacaa aggactccaa 1320
cagagcaaga tttctcacta tgtgcaatag acactttggc agtgttgtgg cacaaaccat 1380
tcggactcaa aaaacggatc agtttccgct tttcctgatt attatgggaa agcgatcatc 1440
taatgaagtg ttgaatgtga tacaagggaa cacaacagta gatgagttaa tgatgagact 1500
catggctgca atggagatct tcacagccca acaacaggaa gatataaagg acgaggatga 1560
acgtgaagcc agagaaaatg tgaagagaga gcaagatgag gcctatcgcc tttcacttga 1620
ggctgacaga gcaaagaggg aagctcacga gagagagatg gcagaacagt ttcgtttgga 1680
gcagattcgc aaagaacaag aagaggaacg tgaggccatc cggctgtcct tagagcaagc 1740
cctgcctcct gagccaaagg aagaaaatgc tgagcctgtg agcaaactgc ggatccggac 1800
ccccagtggc gagttcttgg agcggcggtt cctggccagc aacaagctcc agattgtctt 1860
tgattttgta gcttccaaag gatttccatg ggatgagtac aagttactga gcacctttcc 1920
taggagagac gtaactcaac tggacccaaa taaatcatta ttggaggtaa agttgttccc 1980
tcaagaaacc cttttccttg aagcaaaaaga gtaaacacgg ccagcgggtg gaaccagcca 2040
ttccttgaca agccagcagc ctgctcagg agaagggtc ctcgccaacc caccacacg 2100
ctcgtctcac tcaattcaat gtcacacttc tgcctcttgc aaaattgctg gaaaaagtaa 2160
taataaatat agctacttaa gatttcccat ccatgagtat atattcccaa cccttattac 2220
agagaattac aactctggca cccttccta ccctgcact tnacccttct tcaatgacga 2280
atgcattggt caagtgtgag tgatcactaa atagaaattt taccttttca gngcccatct 2340
tttncc 2346

```

&lt;210&gt; 1996

&lt;211&gt; 2021

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1996

```

gcccacgcgt ncgcccacgc gtccgggcaag aggctgggaa gccatcactt accttgcact 60
gagaaagaag acaaaggcca gtatgcacag ctttctccca ctgctgctgc tgctgttctg 120
gggtgtggtg tctcacagct tcccagcgac tctagaaaca caagagcaag atgtggactt 180
agtcagaaaa tacctggaaa aatactacaa cctgaagaat gatgggaggc aagttgaaaa 240
gcggagaaat agtggcccag tggttgaaaa attgaagcaa atgcaggaat tctttgggct 300
gaaagtgact gggaaaccag atgctgaaac cctgaagggtg atgaagcagc ccagatgtgg 360
agtgcctgat gtggctcagt ttgtcctcac tgaggggaac cctcgctggg agcaaacaca 420
tctgacctac aggattgaaa attacacgcc agatttgcca agagcagatg tggaccatgc 480
cattgagaaa gccttccaac tctggagtaa tgtcacacct ctgacattca ccaaggtctc 540
tgaggggtcaa gcagacatca tgatatcttt tgtcagggga gatcatcggg acaactctcc 600
ttttgatgga cctggaggaa atcttgctca tgcttttcaa ccaggcccag gtattggagg 660
ggatgctcat tttgatgaag atgaaagggtg gaccaacaat ttcagagagt acaacttaca 720
tcgtgttgcg gctcatgaac tcggccattc tcttggactc tcccattcta ctgatatcgg 780
ggctttgatg taccctagct acaccttcag tgggtgatgtt cagctagctc aggatgacat 840
tgatggcatc caagccatat atggacgttc ccaaaatcct gtccagccca tcggcccaca 900
aaccceaaaa gcgtgtgaca gtaagctaac ctttgatgct ataactacga ttcggggaga 960
agtgatgttc tttaaagaca gattctacat gcgcacaaat cccttctacc cggaagttga 1020
gctcaatttc atttctgttt tctggccaca actgccaaat gggcttgaag ctgcttacga 1080

```

1267

```

atttgccgac agagatgaag tccggttttt caaagggaat aagtactggg ctgttcaggg 1140
acagaatgtg ctacacggat accccaagga catctacagc tcctttggct tccctagaac 1200
tgtgaagcat atcgatgctg ctctttctga ggaaaacact ggaaaaacct acttctttgt 1260
tgctaacaaa tactggaggt atgatgaata taaacgatct atggatccag gttatcccaa 1320
aatgatagca catgactttc ctggaattgg ccacaaagtt gatgcagttt tcatgaaaga 1380
tggatttttc tatttctttc atggaacaag acaatacaaa tttgatccta aaacgaagag 1440
aattttgact ctccagaaaag ctaatagctg gttcaactgc aggaaaaatt gaacattact 1500
aatttgaatg gaaaacacat ggtgtgagtc caaagraggt gttttcctga agaactgtct 1560
attttctcag tcattttttaa cctctagagt cactgataca cagaatataa tcttatttat 1620
acctcagttt gcatattttt ttactattta gaatgtagcc ctttttgtac tgatataatt 1680
tagttccaca aatggtgggt acaaaaagtc aagtttgtgg cttatggatt catataggcc 1740
agagttgcaa agatcttttc yagagtatgc aactctgacg ttgatcccag agagcagctt 1800
cagtgcacaaa catatccttt caagacagaa agagacagga gacatgagtc tttgccggag 1860
gaaaagcagc tcaagaacac atgtgcagtc actggtgtca ccctggatag gcaagggata 1920
actcttctaa cacaaaataa gtgttttatg tttggaataa agtcaacctt gtttctactg 1980
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                2021

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&lt;210&gt; 1997

&lt;211&gt; 1955

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1997

```

ccggcttccc aggcagaaga gtcganaaaa gctgtctttt tctcacgtca cccagencag 60
gtcattaag ttcttcance tcttcccaat cattttcnca atgagcaaat tgactaagag 120
aagcaaaggt ttcttggggg tattaaccag tagtgtggaa atactagttt tatgtggcca 180

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1268

```

aggaaaagca aaggcttttc ttttcagttt gtgttatttg gaagacagaa aaacatcttg 240
tctacatcct ttggctgttt gtaggatcac gttgtcctta cgatactgaa actttacagc 300
tgctgtaaat tttttataaa tgaatttcaa aatgttataa tgggactgta ggttgttttt 360
ctacatcttc attatttgga cctaaaacca gtttttaata agaaagttaa tctttactct 420
ttctgaaatt atgactccag aaaaagaaaa aaaaaataca agtcatggaa tcagcaatct 480
ggtaagaaat gctgccaaga atgtggcagt agctgtcctg acagactcca actgtcttta 540
ctatctgaag aatcctaggc tccacatgag aggcagaaat ggatcagtct tattcttttc 600
tagaaatggg tatctgtagt ttggtagcaa aaaaaagaa aaaagaatcc ataattagca 660
gatttcttat taactatttg gatctaattg aaatggcttt attcttagga ttaagaaaga 720
tagatgtgga taccagcca ctctgtccat attggatatct tttaaatcag ctctgcctct 780
taatcaagaa cctaaatatt cctcttttct aatctttgtt ccttctccct acacctcat 840
cctctttcac tcttcttca taattcctct aagaaaaata tctttgcac agcagtaata 900
tcttttagaa tagcactatc agaatttagc agtaaaccac catacaggct tcagatttac 960
ttctgagtc aaacaattt gtgctatcca gggtagttaa ctctgggtta aacaagtaca 1020
gggtatagat tccctcttca ggtctacaca ggaattttta ccatagggaa aagtggggag 1080
agctcaaacg tagttaataa ggaaggtaat ttgttttct tttacctaaa agaaaagaaa 1140
attcctctctg tgactacagg tctctgagaa attatctttc aaaagagatt tcattgctca 1200
taagagtgtt gtggcctatt gataaaaaca attttgttca gtttcttgtc ttgaaaaaaa 1260
agtggcctta gctttttgca atacttgaat aaagtgtgta ctgcgaaaag aatttctgta 1320
gcacagcatt agagactcat aacttttctg caagaaatac aaacttacat cttcctttta 1380
ctaccttaag aatactagtg aataaaacat taattcaaag agcaaattat agaaactaca 1440
atgacattta atgcaaattg taggaattta catgtttaca aatcatcttc aactggttgt 1500
gcagcaattc aataaaatat ctttgtatta taaaaatgtg aagaaaaaat gtaaactgat 1560
gtaaaggagg tactgtcatt ttaattaacc tatgtttaat agcttttctt tctggacttt 1620
gcaaagcctt cttggcaaac acattgcaaa gcattctctg ggaggttcag cctccttgtg 1680
tgtactgtac tgtgcagaca tgaaaaaata aaccctgtta ctgtgtgcgt gtaaatagcc 1740
tggtcatcag gccattttca gccaatagtc acatccagtg caattttgca ccgaacactt 1800
aagggtgtgg tttgtaagta cgatctgtaa aataactggg atgaattccc atgtatacct 1860
gtgtaaatag atttgttaac tgaaatatac tttagaaag ataaaatctg taaataaact 1920
gatttataaa ttaaaaaaaa aaaaaaaaaa aaaaaa 1955

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&lt;210&gt; 1998

&lt;211&gt; 1158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (264)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1998

```

aaaaggaacg tggaatctgg ggaagaagag ctggcgtcca agctggacca ctacaaagcc 60
aaggccacgc ggcacatctt cctcatcagg cattcccagt accacgtgga tggctccctg 120
gagaaggacc gcaactctgac cccgctgggt cgggagcagg ctgaactcac tgggctccgc 180
tggaagctt ggggttgaaa gtttaataaa atcgtccatt cgtctatgag cgcgccatag 240
agaccaccga tatcatcagc cggncacctg ccaggcgtct gcaaagtcag cacagatctg 300
ctgcgggaag gcgcccccat cgagccagac ccgcccgtgt ctcatctggaa gccggaagct 360
gtgcagtatt acgaagacgg agcccggtac gaggccgcct tccggaacta catccaccgc 420
gcagatgcca ggcaggagga ggacagttac gagatcttca tctgtcacgc caacgtcatc 480
cgctacatcg tgtgcagagc actgcagttt cctcctgaag gctggctccg gctctccctc 540

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1269

```

aataatggca gcatcaccca cctgggtgatc cgacccaacg gccgagttgc gctcaggacc 600
ctcgggggaca cgggggttcat gcctcccgac aagatcactc gatcctgagg gctccggcct 660
ctccttccct ctgtcctccc tgcacaggcc gcacacactt aacgttttgt tcccaaggag 720
accggcggaa agtagaaaacc tgcaatgctg catctgggaa ctgacttgtg accaggctga 780
gaaggggaga gttgggatca gacagcctga cttctctgca gggttttata cctgaccatg 840
aacccccagg atggcgtggg gtttaaggtg aaagcgtctc acgcacaagt caggcctgtt 900
gtgggggactt gaaagaggcc tgacccagac caccatgttc gcacccacag ctgaccctgt 960
ctgagggtcc aggtctccatt ggcaaagccg gtcaggcacg agggcgactg aggcacgtgg 1020
atgaggaggg caccaggtt ctgttcacaa ctcaacttcac ttcatacatc cttttaattt 1080
cttaaaaccc tcttgtccct taaatatattg tcaattaaag attttctggc tgggcaaaaa 1140
aaaaaaaaaa aaagtttt 1158

```

&lt;210&gt; 1999

&lt;211&gt; 1127

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (182)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1090)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1999

```

tgtcacagac tacttcatca gtcgcttata tggagctggg accaaggttt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccatat cctctggcac tgctgaactt 120
ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccagggt acgacggatt 180
tnctgccagc ctgcagatcc tgcgcctgtc gccctagggt tctgtaccct tcagaccacc 240
ttgtctctgt tcttgggcag agctcagcag tacttggcag catgggaccc agcttccttc 300
ctgtctctga tccaaaagga cttacctmct mtgwtgcatg asgcagaagc tttgtatagc 360
ctggcctcag aggaaagctt asctctggaa tggagcagca gctgggcctg gagatccaga 420
agctgactgc acagatccag ctccctgcctg aagagtcact aagtgtcttt tctcaagaat 480
gtcataaaca agccatgcaa ggtttcaagc tctacatgcc acggggctcg tactggcggc 540
ttcgtctctg tcttggaaact cctcatccca gcttctcctt ccagagttcc aaggggaacc 600
tcccagtgtc cctagtgtgt atgctggttt agtgggtccg accgtactgg agcctgtgtt 660
gcaaggattg caagggttgc cacctcaagc ccaggccctt gcccttgggt aggcctctgac 720
ggccatcgtg ggtgcctggc ttgaccacat tcttaccat gggattcggg tcaggtcagg 780
agtaaagggt gaagtggcag ggggtgaatg gaactgggaa aaggaagggg ataagtggga 840
gaggcaggag ggtcaagtgg ccatactgta cctctgcctt cagcctgcag ggagcgtgtc 900
agctcaaaaca agactttgga gtggtcaggg agttgtctgga agaggagcag tggagcctgt 960
cccctgatct ccgccagacc ctgctcatgc tcagcatctt ccagcagctg gatggggcct 1020
gctgtgtctg ttgcagmagc ccytgcccaa gttcaagtcc acaggaggcc ccctgttgtc 1080
gtgttgtcan gagtccagac cacgaaattt cccagcagcg cctcaat 1127

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&lt;210&gt; 2000

&lt;211&gt; 478

&lt;212&gt; DNA



## 1270

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2000

```

aagaaggagc tcagccacta tctccccacc gagccagctc agcggggcagg gctggggaggg 60
agtgggacag attctgggag tscagcgagg aggagtcccc gctggsctga gcgcagggag 120
ctgcttgmma gtgccagagc ccaggcccca gagccctgct ggagaggagg cagactgagg 180
cagcaggccc cgccagcagg cgaagaggng agatgtcaga ctgctacacg gagctggaga 240
aggcagtcac tgtcctgggtg gaaaacttct acaaatatgt gtctaagtac agcctgggtca 300
agaacaagat cagcaagagc agcttccgcg agatgtctca gaaagagctg aaccacatgc 360
tgtcgcattg ctgaccctgc ttcttcccca ggacacaggg aaccggaagg ctgcgataa 420
gctcatccag aacctggatg ccaatcatga tgggcgcac agcttcgatg agtactgg 478

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&lt;210&gt; 2001

&lt;211&gt; 1261

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2001

```

cccacgcgtc cgcccacgcg tccggagctc tccccggtct gacagccact ccagaggcca 60
tgcttcgttt cttgccagat ttggctttca gcttctgttt aattctggct ttggggcagg 120
cagtccaatt tcaagaatat gtctttctcc aatttctggg cttagataag gcgccttcac 180
cccagaagtt ccaacctgtg cttatatct tgaagaaaat tttccaggat cgcgaggcag 240
cagcgaccac tgggggtctcc cgagacttat gctacgtaaa ggagctgggc gtccgcggga 300
atgtacttcg ctttctccca gaccaagggt tctttcttta cccaaagaaa atttcccaag 360
cttctctctg cctgcagaag ctctctact ttaacctgtc tgccatcaa gaaagggaac 420
agttgacatt ggcccagctg ggccctggact tggggcccaa ttcttactat aacctgggac 480
cagagctgga actggctctg ttcttggttc aggagcctca tgtgtggggc cagaccaccc 540
ctaagccagg taaaatgttt gtgttgcggt cagtcccatg gccacaagg gctgttctact 600
tcaacctgct ggatgtagct aaggattgga atgacaaccc ccggaaaaat ttcggggttat 660
tcctggagat actggtcaaa gaagatagag actcaggggt gaattttcag cctgaagaca 720
cctgtgccag actaagatgc tcccttcatg cttccctgct ggtgggtgact ctcaaccttg 780
atcagtgcc aacctctcgg aaaaggagag cagccatccc tgtccccaag ctttcttgta 840
agaacctctg ccaccgtcac cagctattca ttaacttccg ggacctgggt tggcacaagt 900
ggatcattgc cccaagggg ttcatggcaa attactgcca tggagagtgt ccttctcac 960
tgaccatctc tctcaacagc tccaattatg ctttcatgca agccctgatg catgccgttg 1020
accagagat ccccaggt gtgtgtatcc ccaccaagct gtctccatt tccatgctct 1080
accaggacaa taatgacaat gtcattctac gacattatga agacatggta gtcgatgaat 1140
gtgggtgtgg gtaggatgtc agaaatggga atagaaggag tgttcttagg gtaaatcttt 1200
taataaaact acctatctgg tttatgacca cttagatcga aatgtcaata aaaaaaaaaa 1260
a 1261

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&lt;210&gt; 2002

&lt;211&gt; 1531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1271

<220>  
 <221> misc feature  
 <222> (1524)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1530)  
 <223> n equals a,t,g, or c

<400> 2002  
 aaattgcaaa aggtaaatatt actagtgttt catacggaca ttttcagaca ccatttttct 60  
 atatgttttg tgcattttgt tttgctctgt ataatgtata tataatggac aaatagtcct 120  
 aatttttcaa catctagtct ctagatgtta aagaggttgc cagtgtatga caaaggagta 180  
 aaattagcat attttgtaca ctttgtgttg aaattcgtag gaaaacttgt cttctgtaaa 240  
 gacttttgca taggaatttg tttgaccatc tctaagcatt acacgtgcct gtacttgtcc 300  
 actggattga aggcagagaa ggaagggagg agggaatgat tcaaggccaa aatggccaca 360  
 tttagaagat acctcagatg ataaccattg ttatgtgtgt gcaattttat ttaacagtgc 420  
 tgtgtatgtg gtggacaagt tatatgaaat atctagtctt tctagatatt tggaagtgtc 480  
 tgatgtattt aaaagtggta gtagaataac actttgtaaa tagcttttaa aaactgatgg 540  
 gaaatgctgt ttggaagtgg aattgttgaa ccacctggga ggtgggaggg aagaaattgc 600  
 aaatggtgtt ttgccattgt ttattagaaa atttcagctt aatccattgt gtatatgtta 660  
 catgcatttc atttaacttt gctatactgt atatatgtta tatataacgg acaaattagt 720  
 cccgatttta taatatctag tctctagata ttaaagagggt tgccaatgta tgacagaagt 780  
 agagttagta aactaacaca ttttgtacac tttgttaaaa tttgtagaaa ggctgtcttc 840  
 tgaaaaggac ttttggaagt gagataacat cagctctaag tgacacgtgc ctatatccat 900  
 caggttggtg gtggagagga gttggaagga atgaagggtt ctagaccaga atgttcgtat 960  
 ttagaagaca ctatcagata taaccattgt tacatgtgtg tagtttattc aaccctactg 1020  
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<210> 2003  
 <211> 2333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2018)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2044)

1272

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2292)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2306)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2003

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1273

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&lt;210&gt; 2004

&lt;211&gt; 2399

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2004

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## 1274

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&lt;210&gt; 2005

&lt;211&gt; 1916

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2005

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&lt;210&gt; 2006

&lt;211&gt; 1073

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1275

&lt;400&gt; 2006

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&lt;210&gt; 2007

&lt;211&gt; 3711

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2007

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1276

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&lt;210&gt; 2008

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1277

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2008

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```

&lt;210&gt; 2009

&lt;211&gt; 839

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2009

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gagatgggggn tccaaaagcc ccacagcact gccaatattc ctggagctca ctgccggagt 60
tctagcattt gttttcaaag actggatcaa agaccagctg tatttcttta taancaacaa 120
catcagagca tatcgggatg acattgattt gcaaaacctc atagacttca cccaggaata 180
ttggcagtg cgtggggcct ttggagctga tgattggaac ctaaataattt acttcaattg 240
cacagattcc aatgcaagtc gagagcgatg tggcgttcca ttctcctgct gcactaaaga 300
tcccgcagaa gatgtcatca aactgagtg tggctatgga tgccaggcaa aaaccagaag 360
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aggacaattt aaccatcggt gctgggtattt tcataggcat gcattgctgc agatatttgg 480
gatatgccct ggcccagaat tkggtttagc atatcgaagc tgtcagggcg agctggtaga 540
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gccgaactga tcttcgagct gcatggacct aatcacagat gcagcctgca gtctcgcta 660
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aaaaaaataa ccagtatgaa agtcgttgcg ccgtgaatct ctactgtagc catgaattta 780
tggacagtta gatgcttacc aaaaaaaaaa aaaaaaaact cgagggggggg cccgtaccc 839

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&lt;210&gt; 2010

&lt;211&gt; 813

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2010

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tcgacccacg cgtccggctc cccgagccct gccaacatg gtgaacttgg gtctgtcccg 60

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1278

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ggtggacgac gccgtggctg ccaagcaccc gggactcggg gagtatgccg catgccagtc 120
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gcagatgttc attcagagga agtttccata ccctttgcag tggagcctcc tagtgccgt 240
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ttctctccaa aaaaaaaaaa aaaaaawaaa aaa 813
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&lt;210&gt; 2011

&lt;211&gt; 994

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2011

```
aaaggcgaaa ggccccatth attgttgcct ttttacgccc cagcttacct taggctcggg 60
gttgttttga tttgaacgaa caattcccca gaaacgtatg ccatattcga ttaatcgatc 120
gtatagggat ttgccctgag ccaagatcgc caaggaggag atcttcgggc cagtgatgca 180
gatcctgaag ttcaagacca tagaggaggt tgttgggaga gccaacaatt ccacgtacgg 240
gctggccgca gctgtcttca caaaggatth ggacaaggcc aattacctgt cccaggccct 300
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tgaagtgaag actgtcacag tcaaagtgcc tcagaagaac tcataagaat catgcaagct 480
tcctccctca gccattgatg gaaagttcag caagatcagc aacaaaacca agaaaaatga 540
tccttgctgt ctgaatatct gaaaagagaa atttttccta caaaatctct tgggtcaaga 600
aagttctaga atttgaattg ataaacatgg tgggttggct gagggtaaga gtatatgagg 660
aaccttttaa acgacaacaa tactgctagc tticaggatg atttttaaaa aatagattca 720
aatgtgttat cctctctctg aaacgcttcc tataactcga gtttataggg gaagaaaaag 780
ctattgttta caattatatt accattaagg caactgctac accctgcttt gtattctggg 840
ctaagattca ttaaaaaacta gctgctctta aaaaaaaaaa aaaagggcgg ccgctcgcga 900
tctagaacta gtccggacgc gtgggtcgac ccgrgaattc cggaccggta cctgcaggcg 960
taccttctat agtgagtcgt attagagctt gccg 994
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&lt;210&gt; 2012

&lt;211&gt; 1770

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (674)

1279

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (694)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2012

```

gnatgaacac caactggcca gcctcgggtgc aggtcagcgt caatgccacg ccgctcacca 60
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caggccgcaa caccatccag atcaccgtca ccgcctgctg ctgctccac ctcttcgtgc 180
tgcagctagt gcaccgcccc tccgtccgct cgggtgctgca gggcctcctc aaaaagcgcc 240
tcttgccctgc tgagcactgc atcaccaaga taaagcggaa cttcagcagc ggcaccatcc 300
ctggcacccc tgggccccaac ggagaggacg ggggtggagca gacagctatc aaggtgtccc 360
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acatacagtg ctttgacctg gagtctgacc tgcagctcaa ctgtgagcgg gggacttgga 480
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tgggcatacct gatttacatt cagaactctg actatgagga gatcaccatc gacccacgt 600
gcagctggaa gccagtgcgc gtgaagcctg acatgcacat caaggaggag ccggatgggc 660
cagcactkaa gcgntkccgm accgtgagcc ccgnccacgt gctyatgcc agcgtgatgg 720
agatgatcgc cgccctgggy cccggcgctg ccccttttgc cccctgcag cccctcag 780
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cgatctctat taaaggactc cctcttgaaa 1770

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&lt;210&gt; 2013

&lt;211&gt; 707

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 1280

<222> (31)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (468)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (641)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (686)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (697)  
 <223> n equals a,t,g, or c

<400> 2013  
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 gatgcagaca gcccttgcca tgccctgccac tgtcaggatg gaactgtgac atgtctcttg 180  
 gttgactgcc ctyccacgac ctgtgccagg cccagagtg gaccaggcca gtgttgcccc 240  
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 ccccgagacc cctgccagga gtgccgatgc caggaaggcc atgcccactg ccagcctcgc 360  
 ccttgcccca gggccccctg tgcccaccgc ctgacctggga cctgctgccc gaacgactgc 420  
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 gtgcccgtgc cttgtccaga gcctgtcctg ctgcccggag agtgctgccc ggaatggccc 600  
 aagccgcca gcccccggcc ggctgccac gggcccgggc ncgggccaac ggcccggcca 660  
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<210> 2014  
 <211> 2440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (28)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (49)  
 <223> n equals a,t,g, or c

1281

<220>  
 <221> misc feature  
 <222> (93)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2325)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2326)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2421)  
 <223> n equals a,t,g, or c

<400> 2014  
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 cgccgagcgc agcgagcagt agcgaggaag cgnaagagcg cccaatacgc aaaccgcctc 120  
 tccccgcgcg ttggccgatt cattaatgca gtggcacgac aggtttcccg actggaaagc 180  
 gggcagtgag cgcaacgcaa ttaatgtgag ttagctcact cattaggcac cccaggcttt 240  
 acactttatg cttccggctc gtatgttgtg tggaaattgtg agcggataac aatttcacac 300  
 aggaacagc tatgaccatg attacgcca gctcgaaatt aaccctcact aaaggggaaca 360  
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 ggaattcgyy wcgagctaag ctgcagtgat gttgcctata tttaaatttt ctcaaattggc 480  
 caagctctga tggctacttt tatttgagca atagttgaga cttataattg cctataaaata 540  
 aacaaacaaa tgaactattt gttttttttt ctcaaacat ctggcctata ttgtctgtca 600  
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 ctgacctcac caggtttcag agatgttctt aaaggaagcc agctgtggca ggtcacagat 720  
 tcatgggaaa tggaaagaac caaggaatat agctcttgcc tcacctttct acccactgca 780  
 gatatagttc aagccagagt aatggaagaa cttaaacttac tagcctctca ggctgctcct 840  
 atccctacct cccagtgtac agccccctcc catctcttta gtcccccttc cctcacttcc 900  
 ccttttataa tgtcacacaa atcagggaca gtaggatcac attataacct actttgtcat 960  
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 aaaagacttt aagaacttta tatatttctt gttgcctcaa aatgtaacag aaattattct 1500  
 tagagctttg atttttagcta tcctaattac tgcaaataaa tatttgttct tatagtttta 1560  
 aatcaaaaag aaaagtcttg ttataaaaacc ttaagcttga aatcatatta ataaaatata 1620  
 ttgtacatag tggaaaattt tcagtagcta attttaaatt tcagaaaatg ctattaaaga 1680  
 attttgattc aagtatttaa actgttttagt tatgcatgct tcttattaac cgaaaatgat 1740

1282

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aataccattt agtttagtga tcagtatgag aagcaatacc taatcctatg ttgctattgt 1800
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gtgtatatat aaaaggtcaa tttatatatt tttctatagg aaaatggagt aacaagttcc 1920
ctatctccca tatttatttg tccatagtaa aatggccaca ttgatgataa tttctagaac 1980
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gtcactgcc aagttacctg gattgtcagc cttggtagcc tttgtctaaa gtcctaaaga 2100
gttccaaaaa aaatgtgttg aaatttaatt gctaaatagt ggttggtgat tctttacagt 2160
aggaattgta ataattttct tgcaaaataag ttatttactg ctattgatat tgaataattt 2220
gtcttttatt cagatatatt tcaaaaagca tgaatatatg attattcata aattgtatac 2280
tttaccagta agttttcaga ggaaataaag acttttaaat ccttnnaaaa aaaaaaaaaa 2340
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2400
aaaaaaaaaa aaaaaacccc nggggggggcc ccsgccccca 2440

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&lt;210&gt; 2015

&lt;211&gt; 3302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2015

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gcggcacgag cgcccacsyg tcctgcrzca ctggatgctt tgtgagttgg ggattgttgc 60
gtcccatatc tggaccacaga agggacttcc ctgctcggct ggctctcggg ttctctgctt 120
tcctccggag aaataacagc gtcttccgag ccgcgcagtg agcctcccgg ccgccgcgag 180
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tattgtggtg acaattcagt gtggagtcgt gctgctccag agtgtaaagt ggtcaaatgt 840
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ttgtaaaaag cccttaaaaa tatgtgtata ctactttggc tcttgtgcat aaaaacaaga 1800
acactgaaaa ttgggaatat gcacaaactt ggcttcttta accaagaata ttattggaaa 1860
attctctaaa agttaatag gtaaatctc tattttttgt aatgtgttcg gtgatttcag 1920

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## 1283

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aaagctagaa agtgtatgtg tggcatttgt tttcactttt taaaacatcc ctaactgac 1980
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cagccataac aggagtgcc cttcatggtg cgaagtgaac actgtagtct tgttgttttc 2100
ccaaagagaa ctccgtatgt tctcttaggt tgagtaaccc actctgaatt ctggttacat 2160
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aa 3302

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&lt;210&gt; 2016

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2016

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caggcaggca ggctgagggc attgccaaagg actaaaacca gtagagcaac ctctggccat 60
gtcacccctg cagtacagct ttatggcggg catccacttt gcgggggctca aggcctgtgg 120
cgagtcggtg cagaagcctc tggattatta cagagttaac ctgaccggga ccatccagct 180
tctggagatc atgaaggccc acgggggtgaa gaacctgggtg ttcagcagct cagccactgt 240
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&lt;210&gt; 2017

&lt;211&gt; 2056

1284

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2038)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2054)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2017

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tggataccaa catctatgga tgetcaagtc cctgatataa aatgggtggac tatttgcata 1200
taacctgtgt acatcccgtg ttattttaaat catccctaga tcacttataa tacgtaatac 1260
aatgtaaatg ccatgtaaat aactgttata ctgtattaag gaataacaac aagaaaaatg 1320
tacatgttca gtacagacgc aatttttttt gtgtgtggaa tattttcatt ccaaggctcag 1380
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agattttcta gattggctcc taattttttt acagattatt tgaatctgat tcaattcatg 1620
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acttggatca tttgtttcat tttgcttttg atatgttgtt ttttagaatt acctcttaaa 1920
attttgattt aattttataa tcatgtaaaa tgtttataaa tttccaaatt cagatcagca 1980
aaacacaata aaatctattc agagaaggca aaaaaaaaaa aaaaaaaaaa aaaaaanaa 2040
aaaaaaaaaa aaanaa 2056

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&lt;210&gt; 2018

1285

&lt;211&gt; 1891

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2018

```
gcttctcagt tgtggacgmk cgtaagtttt cggcagtttc cggggagact cggggactcc 60
gcgtctcgct ctctgtgttc caatcgcccg gtgcggtggt gcagggtctc gggctagtca 120
tggcgtcccc gtctcggaga ctgcagacta aaccagtcac tacttgtttc aagagcgttc 180
tgctaatacta cactttttatt ttctggatca ctggcgttat ccttcttgca gttggcattt 240
ggggcaaggt gagcctggag aattactttt ctctttttaa tgagaaggcc accaatgtcc 300
ccttcgtgct cattgctact ggtaccgtca ttattctttt gggcaccttt ggttgttttg 360
ctacctgccg agcttctgca tggatgctaa aactgtatgc aatgtttctg actctcgttt 420
ttttggtcga actggtcgct gccatcgtag gatttgtttt cagacatgag attaagaaca 480
gctttaagaa taattatgag aaggctttga agcagtataa ctctacagga gattatagaa 540
gccatgcagt agacaagatc caaaatacgt tgcattgttg tgggtgtcacc gattatagag 600
attggacaga tactaattat tactcagaaa aaggattttc taagagttgc tgtaaacttg 660
aagattgtac tccacagaga gatgcagaca aagtaaacaa tgaaggttgt ttataaagg 720
tgatgaccat tatagagtca gaaatgggag tcgttgccagg aatttccttt ggagttgctt 780
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actacaccaa taggctgatt caatcaagat ccgtgctcgc agtgggctga ttcaatcaag 1080
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cctgtatccc tctgaaacac tgggaagagct agtaaattgt aaatgaagta atactgtgtt 1200
cctcttgact gttatttttt ttagtagggg gcctttggaa ggcactgtga atttgctatt 1260
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tgggtaccagg ttgatatgac ttgtcaatat tatggtcaac tttaagtcct agttttcggt 1800
tgtgcctttg attaataagt ataactctta tacaataaat actgctttcc tctaaaaaaa 1860
aaaaaaaaaa aaaaaaaagt cgtatcgatg t 1891
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&lt;210&gt; 2019

&lt;211&gt; 3557

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2779)



1286

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3523)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3557)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2019

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tatgcccgcac ccgctctacct ttagaacact ttgctnatcc aagatgggga gaatccagtt 60
caaatctcttt tgkactaatt ttatcatatt gtactttaag atcactggta tctaaccctt 120
ctacattaag gccaaactga agggcatctc ccagctgcag taagaactca gatgatgagt 180
gaagaattct ggggttgggg gagtgcaata taagcaagct aacctgtttc aatgaaacag 240
atgatcaatg aagacactgc atcatttggt tccaaaagt aggccttgca gccaaaggctt 300
tggcttttta gagaaaatta gctctaaaga ccagggcacc taggcaacct agcagagaag 360
aagtttcatg aagtcagagc ccagggtgtt gggtaggggt agggagttgg ggcaaagcaa 420
cactgggctt ctaaaaaaga aatgtctccc ctgagatgaa tgacttggtg gcacaagttt 480
caggaaagac aaagctctaa aaatatcatt gtaaaattaa taatacttct ccaaagtaag 540
gactcaactc aaactatcct tggatgcaat taaaatggcc ttggaagaag ctttcagggtg 600
cggaggtact caccagtgtc ctgccagcac cttcatctct gaagaagtca tcggagggag 660
ccactacctt gattttatga ccacagatga gtttccttta atccgaaaga gattgacttt 720
tggcattttt ttcttagttt ttgtttattt atattctttt aagcttttaa aaaaagtgtc 780
attgctgtgc ttcttattcc tctggctgac tttagaattg aggactggga atcctgaaaa 840
tttgcaaagt tatctactat cctcactgcc ttggaacacc cattattcca ctctgtctaa 900
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ctcatgaatt aaatgcatat attatgctag taatgcttct ggaatgaatg aataatagaa 1020
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cattgctctc ccaagattcc cttttaaaaa tttaaataaa ccttgagagt agtgatgcat 1260
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1287

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ccttgtccta ttttctgata atacgaacgg ttctgcaact gccttccaag tcagagcggg 2160
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atgccttggg ggaaatgtgc tcaaattact aatgatttag tgttgtcctt actttctctc 2760
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cattttttta tgtgctctgt acctgtcaaa aattttgaat gtacaccaca tgctattgtc 3480
tgaacttgag tataagataa aataaaattt tattttaaat tnnaaaaaaaa aaaaaaaaaa 3540
aaaaaaaaaa actcgan 3557

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&lt;210&gt; 2020

&lt;211&gt; 1599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (376)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (377)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2020

```

gggcgcggga aggtgcgggt tgttggctga ggcaagccgt ggctcgggag acgcggggcc 60
aggaggcgag gaccgtctgc cggcgacagc ccataaccgtc tgccgttgcg cgacacgaac 120
caccctccga tccgccatcc ccgcgtcgtc gccgctagtc cgcgcccccg ccctcggggc 180
ccccgctgcc gagccccgacc tcctaagagc tgaaagaaat tattgagagt catagtccat 240
agccccctgc ttcgtccccc aaccctcaac gacgaaaagg acttcgggtcc cctggccccg 300
cgacgccccg gaaggaaagg agagcgacct ccgcccccg ctcaggccac cctggaggga 360
gaagccgccc cgcgcnngsg ttagagcgcc ccgccccccc gtagaccgga agccgccttg 420

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1288

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agcccaagggc tgtacacgtg ccctgtgctg attctctgcc taggaaagga ccatgcagct 480
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actggtaccc tgagaagcca ctgaaaggct ctggcttccg ctgtgttcac attggggaga 660
tgggtgaccc cgtggtggag ctggccgcca agcggagtgg cctggcgggtg gaagatgtgc 720
gggccaatgt gcctgaggag ctgagtgtct ggattgatcc ctttgagggtg tcctaccaga 780
ttggtgagaa gggagctgtg aaagtgtctg acctggatga cagtgagggt tgcggtgccc 840
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ttggcagcca ggacagctcc ctgtccaaact ccccatcgcc atcctttggc cagtcaccca 960
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tcagctacaa cctgaacacc atgcagtatc ccagccagca gttccagccc gtggtgctgg 1500
ccaactgacc atctacctgc ccgtggggcc aggagcacc aagaccacag aaaagagaaa 1560
ggaaaggcca aaaaaaaaaa aaaaaaactc gagactagt 1599

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&lt;210&gt; 2021

&lt;211&gt; 2593

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2348)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2021

```

ggccactcca tctgagggtg gctgcgtgtc cacataygag gggacagggc tgaggatgag 60
gagaaccttg gggacccaga agaccgtgcc ttgcccggaa gtcctgcctg taggcctgaa 120
ggacttgccc taacagagcc tcaacaacta cctggtgatt cctacttcag ccccttggtg 180
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cactgaragg atgtgcatcc aggggagtc a gttcaacgtc gaggtcggca gaagtgacaa 300
gctttccctg cctggctttg agaacctcac agcaggatat aacaaatttc tcaggcccaa 360
ttttggtgga gaacctgtac agatagcgct gactctggac attgcaagta tctctagcat 420
ttcagagagt aacatggact acacagccac catatacctc cgacagcgct ggatggacca 480
gcggtggtg tttgaaggca acaagagctt cactctggat gcccgcctcg tggagttcct 540
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gggaaacagg ctcacccgcc tcttctccaa tggcacggtc ctgtatgccc tcagaatcac 660
gacaactgtt gcatgtaaca tggatctgtc taaatacccc atggacacac agacatgcaa 720
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tcttcccaac accaactgct tcataaaggc catcgatgtg tacctgggga tctgctttag 1140

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1289

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ctttgtgttt ggggccttgc tagaatatgc agttgtctac tacagttcct tacagcagat 1200
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caacagctcc atctccagct ttaaaccgga gatcagcttt gccagcattg aaatttccag 1320
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acaagataat gatgtaaatg gtatttttagg ccaagtgtgc acccacatcc aatgggtgcta 1620
caagtgactg aaataatatt tgagtccttc tgctcaaaga atgaagctcc aaccattggt 1680
ctaagctgtg tagaagtcct agcattatag gatcttgtaa tagaaacatc agtccattcc 1740
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taacttgntc tagaagtctt aatatgggct gttgcatga aggcttgagc aattgagtc 2400
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agagtygctg tcattctgtc attgctgcta ctctaacact gagcarcact ctcccagtg 2520
cagatcccct gkatcattcc argaggagca ttcattccct tgggtetaatg rtcagggaat 2580
gratgsttat tat 2593

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&lt;210&gt; 2022

&lt;211&gt; 1688

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (168)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (235)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (802)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2022

```

tgccggctgg agtccggagt ccctggccta ctggccgrac cgttccgaca ccgaggtgcc 60
tcctctggac ctgggctgga cggacactgg tttctaccgc ggcgtgagcc sggtcacgct 120
cttcacccac ccgccaaagg acgagaaggc gccgcacctc aagcaggngg tcaggcagat 180
gatccaacag gcccagaagg tcattgctgt ggtcatggac ctcttcactg atggngatat 240

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1290

```

ctttcaagac atttgtggatg ctgcctgtaa gcgccgggtc ccagtgtaca tcatacctgga 300
cgaggcagga gtgaagtatt tcctggagat gtgtcaggac ctgcagctca ctgacttccg 360
gattcggaac atccgtgtcc gctctgtgac aggcgtcggc ttctacatgc ccatggggag 420
gatcaagggg accctgtcat caaggttcct gatggtggac ggtgacaaag tggccactgg 480
atcttacagg ttcacctgga gttcctccca tgtggacaga aacctcctcc tgctcctgac 540
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ggtggacttg taccggcagc tgagcctggc gggcaggggtt ggcctccaat actcctccac 660
tgtggctcga aagettatca accccaagta cgccttgggtg tcaggctgcc gccaccgcc 720
tggggagatg atkcgctggg ctgcccggca acagcgggag gcgggcggca acccgaggag 780
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agactgga 1688

```

&lt;210&gt; 2023

&lt;211&gt; 2543

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

1291

&lt;400&gt; 2023

```

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cgggggaagt tatccagcgg ccagctaatt ctatcaaaga gatgattgag aactgttttag 180
atgcaaaatc cacaagtatt caagtgttg ttaaagaggg aggcctgaag ttgattcaga 240
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atggaaagtg tgcatacaga gcaagttact cagatggaaa actgaaagcc cctcctaaac 480
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atggtcccaa agaaggactt gctgaataca ttggtgagtt tctgaagaag aaggctgaga 1920
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gtgtgatata caaagtgtac caacataagt gttggttagca cttagactt atacttgcct 2460
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taaaaaaaaa aaaaaaaaaa aaa 2543

```

&lt;210&gt; 2024

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1292

<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<400> 2024  
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agttcctatt gattcatcag attttgcatt ggatattcgc atgcctgggg ttacacctaa 180  
acagtccgat acatacttct gcatgtctat gcgaatacca gtggatgagg aagccttcgt 240  
gattgacttc aagcctcgag ccagcatgga tactgtccat cacatgttac tttttggatg 300  
caatatgcct tcatccactg gaakttactg gttttgtgat gaaggaacct gtacagataa 360  
agccaatgat tctgtatgcc tgggcgagaa atgcttcccc ctaccggggc tccccaaang 420  
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acactaaggg ggantattaa tggc 504

<210> 2025  
<211> 780  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (752)  
<223> n equals a,t,g, or c

<220>

1293

&lt;221&gt; misc feature

&lt;222&gt; (778)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2025

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gatgcggagt ttgttgatat cgatggaaaa tcgcatctca tctgtncan ccgtcccan 180
gtcccatca tctccagtgc gaataaaagc tctaagaagt ttgtcccca tggtagacac 240
cccaacatgg aggacgtact ggctgtgaag agcttccgaa tgcaaaatac cctctacctt 300
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gagatccaag ctcttccatc ccggggggcc atgaccctgc agcccttttc ttttaaagat 420
aatcactacc tggccctggg gagtgaactat acattctctc agatatacca gtgggataaa 480
gagaagcagc tattcaaaaa gtttaaggag atttacgtgc aggcgcctcg ttcattcaca 540
gctgtctcca ccgacaggag agatttcttt ttgtcatcca gtttcaaagg gaaaacaaag 600
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aatgttagca ttagctctac aaaagaggac caagaaaaat caacaaacaa atcaaagcca 720
ggctcagagc tctgaaatta aaaagcactg anatagttag atggtttcaa acttttancc 780
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&lt;210&gt; 2026

&lt;211&gt; 2521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2026

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cgaggtcagg tctcgaaaag ggaggacctc ctgcgtccca ggggccccag gccaggtgca 120
cccttggccg cangtgcacg gtctccggaa agtgcaggcg ccacgtccc agctggacca 180
tggcgccctc gcggaacgtg gtgaagattg ccatccagat gcgtgacgcc atcccgacg 240
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gagcctgacg cactctgagc gttacgccct gcagtttgcg gatgggcacc ggagatacat 360
caccgagaat aaccgcgcgg agatcaagaa tggcagcatc ctgtgcctca gcacggcccc 420
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cagccgtaat gggctccaga tactaggcac catcattgaa gatggggack acctaggaga 600
ggtgctggcc ctacgcctga gggccttctc agagctcatg gagcacggcg tgggtgcctg 660
ggagactctg agcatccctt ttgtgaggaa ggtggtgtgc tacgtgaaca tgaacctcat 720
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```



1294

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gccccccggt ctgctggccc tggacaacat gttgtacttc tccagaaacg cgcccagcgc 1320
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t 2521

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&lt;210&gt; 2027

&lt;211&gt; 2357

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2027

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tctccctttg ctgcagsytc agatgtgtat aagagacagc tatagaaggt acgcctgcag 60
gtaccggctc ggaattcccc ggtcgaccca cgcgtccgcc cacgcgtccg cggacgcgtg 120
ggctgtgact gaaatcattt tcccatatga gcagaccctg tgtgtcaggc ctgtttccca 180
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aattaccact gttttgggga tgcttttttt ctgaaagaac ggggagtaca ggggcaaaaa 840
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## 1295

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<210> 2028

<211> 1783

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 1296

<222> (1576)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1692)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1694)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1772)  
 <223> n equals a,t,g, or c

<400> 2028  
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 gttgcaacga cttaactctg cagttctaata gcaaaagagc catacaaaaa caatagttgt 180  
 gtctgtgttc caatgaatct gtacttataa aaaagggcag ggaatggatt tggcccatgg 240  
 accatagttt tcccatgtca gctctagact tctgcagatg gctccaatta catgtattcc 300  
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1297

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ccaaagatgg gggagctcta catgctcttg gcagtggctc tgaccaatct ggaagatata 1500
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&lt;210&gt; 2029

&lt;211&gt; 4331

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2029

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```

1298

```

gttggtaaat taattaattg gggatgggtt cttggcttta agtccactga ataaaaacta 2220
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aaaaaaaaat t 4331

```

&lt;210&gt; 2030

&lt;211&gt; 1234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1058)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2030

```

cgccggccgc gccacgtga ycggtccggg tgcaaacacg cgggtcagct gatccggccc 60
aactgcggcg tcatccccgc tataagcgca cggcctcggc gaccctctcc gacccggccc 120

```

## 1299

```

ccgccgccat gcagccctcc agccttctgc cgctcgccct ctgcctgctg gctgcacccg 180
cctccgcgct cgtcaggatc ccgctgcaca agttcacgtc catccgccgg accatgtcgg 240
aggttggggg ctctgtggag gacctgattg ccaaaggccc cgtctcaaag tactcccagg 300
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cgggctcctc caacctgtgg gtccctcca tccactgcaa actgctggac atcgcttgct 480
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tgccctgcca gtcagcgtcg tcagcctctg ccctgggcgg tgtcaaagtg gagaggcagg 660
tctttgggga ggccaccaag cagccaggca tcaccttcat cgcagccaag ttcgatggca 720
tcttgggcat ggctacccc cgcattctcg tcaacaacgt gctgcccgtc ttcgacaacc 780
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```

&lt;210&gt; 2031

&lt;211&gt; 1089

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2031

```

ccacgcgtcc gataagcacc catgtctttg aatatgaatg tatttgtaaa ataccacgtt 60
tcatgtgtga atatgtgctt ttactgtaca tagtgctatt gtgcaatagg tcttatgctg 120
ttttcactca atgtgtgcta agatctagcc ccattgactc ttctagaaat gcagtattgc 180
tttgacctgc catgtggcac tccacaatgt caattgcagt ttacacacat tgcctaaagt 240
gggggacacc tgggtgcccc tgaccccttg gcaccggata caggccacga taaacatcct 300
ttcgtgtgtt cccttctgtg cttgtgtggc atgtgtaccc aggatgggccc tatagggtcac 360
agaggtcagt ttctcttttg ttttcagat tttctttaga acggtgactg accctcctac 420
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ttctcatgga gtttcttata ttttttggtt tattctcagg agttgcttgt acattcttgg 660
gcaattgcag ataattccaa gaatgcata tttgggctggg tatggagggt cactggtaat 720
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aaaaaaaaa 1089

```

&lt;210&gt; 2032

&lt;211&gt; 983

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 1300

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (899)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (920)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (923)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (928)  
<223> n equals a,t,g, or c

<400> 2032  
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tgaacatgga cacaacaat ggtcaccaag tccctgaaca ggttgtgtga gccccttgag 120  
gcgttcaccc agcactgttt cggaggaatc tctatttcaa tctattccta tacattagtt 180  
attgaaaaac aacacacaat cgcaaaaaca agttgacctt tttgtgttcc ttgagaccga 240  
taatgaaggg ccctcgtgac cggacctcat gccaaacaac tcgttacaaa aagagctagg 300  
gtcccagctg cgctgaagct tcntgagacc tctcctcatc tgtgcatgga tgagtggccg 360  
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cttgttggaa taatcagtga atcatagatg aaaacttaac cttggaatta attatgagac 540  
tgctcagagg aagagaatgg gagacaaagg acctggtgat tagaccccca agacactggg 600  
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gaattttattg agcccttggt ctaggcactt gggattcacc agtatacaat ggagacaaaa 720  
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tggtctgtgt attgagaaga gaatgtggtg gacagatata gaagcatgga aacctgatag 840  
grctattgca atcactcaga aaagaggcga tggcagcttg gacctgttgg aagcagtana 900  
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caatgggcca atgatgtaat cag 983

<210> 2033  
<211> 722  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

1301

&lt;222&gt; (637)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (675)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2033

```

cgggtcgacc cagcggtccg cccacgcgts cgscacgcg tccgcggcgc gcgagagacgc 60
agcagcggca gcggcagcat gtcggccggc ggagcgtcag tcccgcgcgc cccgaacccc 120
gccgtgtcct tcccgcgcgc ccgggtcacc ctgcccgcgc gcccgcacat cctgcggacc 180
tactcgggcg ccttcgtctg cctggagatt ctgttcgggg gtcttgtctg gatatttggtt 240
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gcgtttttct ttctcgtcct ctttctgggc atgttcctct ctggcatggt ggctcaaatt 360
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ggagcctttt tattggaagc agcagccaca tccctgcatg atttgcattg caatacaacc 480
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tttgccctta tgacgacagc ttgttatggt tgcaagtttg ggtctggcct tacgaagatg 600
gcgacccgta acacttcctta agaaaactgg cagtcgnatg ttaggtttca ctttgctact 660
ttatatggtc tggancaaatt tttggaataa cccaattttt ggtccaagaa tgccaaaaaa 720
ca
722

```

&lt;210&gt; 2034

&lt;211&gt; 555

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2034

```

gctggcgcgg cgacgggat gaggcgtgc agtctctacg ctttcggtaa cttccggggc 60
ctggcgtmtc gtctccttac cctgggggcta cccttgcccg gtccctactgc ccgcgggttaa 120

```



## 1302

```

cccgcgcgga gccgcctctc cctccccgc cgcactcaac cctgccctcc cccgtgcttt 180
gcagacgcgcg yccggggggcc caggcggtg atgcgtgtgg gcctcgcgct gatcttggtg 240
ggccacgtga acctgctgct gggggccgtg ctgcatggca ccgtcctgcg gcacgtggcc 300
aatccccgcg gcgctgtcac gccggagtag accgtagcca atgtcatctc tgtcggntcg 360
gggctgctga gcgtttccgt gggacttgtg gccctcctgg cgtcaggaac cttcttcgcc 420
ctccactgac tgggtcctgc tggcactagc tctggtgaac ctgctcttgt cgttgccctgc 480
tccctgggcc tcttcttgc tgtgtcactc actggggcca acggtgggcc gcggcttatt 540
gntgactggc accca                                     555

```

<210> 2035

<211> 1084

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<400> 2035

```

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caatgacatc gccctcatga agctgcagtt cccactcaact ttctcaggca cagtcaggcc 120
catctgtctg cctttctttg atgaggagct cactccagcc acccactct ggatcattgg 180
atggggcttt acgaagcaga atggaggga gatgtctgac atactgctgc aggcgtcagt 240
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gaagatgatg tgtgcaggca tcccggagg ggtgtggac acctgccagg gtgacagtgg 360
tggggccctg atgtaccaat ctgaccagtg gcatgtggtg ggcacgtta gctggggcta 420
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ccgtcttcac ccatcccca gcctactaga gcaagaaacc agttgtaata taaaatgcac 960
tgccctactg ttggtatgac taccgttacc tactgttgct attgttatta cagctatggc 1020
cactattatt aaagagctgt gtaacatmaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaa                                             1084

```

<210> 2036

<211> 345

<212> DNA

<213> Homo sapiens

<400> 2036

```

aacattaca atattctcaa aaaaatccat atccatcacc attgcatatg cagtattact 60
ggttgttttg atgtaaaata cgttttaaagg tttattttta aaagtgtgca tattcaacat 120
aaagaaagaa aaaatctaac gaatttaaag tctgctgtaa tcctagcaca cgtgaacaca 180
atattaatat cttggtttat ttattttctg atgttcgtga gcatatatat atatatatat 240
atatatatat atatatatat atatatatat atatatatat atatatataw 300

```

## 1303

atccccctcta gcaaattggcc tgtaatatgct tgtaagcatt ttttc

345

&lt;210&gt; 2037

&lt;211&gt; 1214

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1214)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2037

```

tggacgcgtg ggtcgaccca cgcgtccggt caaaaytaac cccctaataa aattaattaa 60
ccactcattc atcgacctcc ccaccccatc caacatctcc gcatgatgaa acttcggctc 120
actccttggc gcctgcctga tcttccaaat caccacagga ctattcctag ccatgcacta 180
ctcaccagac gcctcaaccg ccttttcatc aatcgccac atcactcgag acgtaaatta 240
tggctgaatc atccgctacc ttcacgcca tggcgccctca atattcttta tctgcctctt 300
cctacacatc gggcgaggcc tatattacgg atcattttct tactcagaaa cctgaaacat 360
cggcattatc ctctctgctg caactatagc aacagccttc ataggctatg tcttcccgtg 420
aggccaaata tcattctgag gggccacagt aattacaaac ttactatccg scatcccata 480
cattgggaca gacctagttc aatgaatctg aggaggctac tcagtagaca gtcccaccct 540
cacacgattc tttacctttc acttcatctt gcccttcatt attgcagccc tagcagcact 600
ccacctccta ttcttgacag aaacgggatc aaacaacccc ctaggaatca cctcccattc 660
cgataaaatc accttccacc cttaactacac aatcaaagac gccctcggtt tacttctctt 720
ccttctctcc ttaatgacat taacactatt ctaccagac ctcttagggc acccagacaa 780
ttataacccta gccaacccct taaacacccc tccccacatc aagcccgaat gatatttcct 840
attcgcctac acaattctcc gatccgtccc taacaaacta ggaggcgctc ttgccctatt 900
actatccatc ctcatcctag caataatccc catcctccat atatccaaac aacaaagcat 960
aatatttcgc ccaactaaggc aatcacttta ttgactccta gccgcagacc tcttcattct 1020
aacctgaatc ggaggacaac cagtaagcta cccttttacc atcattggac aagtagcatc 1080
cgtactatac ttcacaacaa tcctaatacct aataccaact atctccctaa ttggaaaaaca 1140
aaatactcaa atgggcctaa aaaaaaaaaa aaaaaacycg gggggggggc gggtwcccaa 1200
tttccccctt aggn                                     1214

```

&lt;210&gt; 2038

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2038

```

aataatatat ccctgtcgtt ttgttttttc tttttaagac ttgggccggg tgtggtggct 60
cacgcgttta atcccaaagt gctgagatta cgcccgccct aaatattact ttcaaataga 120
accatcttca tgggtagcag tttataatac acaagtagaa tttgggaaat gtagtcccag 180
tcttccattc ttcacagtgg atgcttcagc cagtttctct tctctgcaca cacactgccc 240
gacagcgggc tttcccttct ccttcagagc agtagcagtt ccctttcttc attcccaccc 300

```

## 1304

atcacagtgg cagccccctc tgccctcctg tattctgaat cccaccctta taatatgctt 360  
agattttgcc tttctcccag ccgttttgtg agcattgttc gtgtgtacca attttttctc 420  
atccttttaa aaaaaaaaaa aaaaactngg gggggg 456

<210> 2039  
<211> 594  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (577)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (588)  
<223> n equals a,t,g, or c

<400> 2039  
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caaacaacgg tgcataaatg aggcctcctg gaccatgaag cgagtcctga gctgcgtccc 180  
ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 240  
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 300  
agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 360  
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agcagaatgc accttctgag gcacctccag ctgccccggc cgggggatgc gargctcgga 480  
gcacccttgc ccggtgtgat tgctgcaggc actgttcac tcactttttg tccttgktcc 540  
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<210> 2040  
<211> 653  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

1305

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (566)  
<223> n equals a,t,g, or c

<400> 2040  
gcttntacgc ctgcagcnac cgggtccggaa ttccccgggtc gacccacgcg tcggcggtccc 60  
ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 120  
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 180  
agccaaggac aggggtggact gcggtacccc ccatgtcacc cccaaggagt gcaacaaccg 240  
gggctgctgc tttgactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 300  
agcagaatgc accttctgag gcacctccag ctgcccccg ggggggatg cgaggctcgg 360  
agcacccttg cccggctgtg attgctgcca ggcactgttc atctcagctt ttctgtccct 420  
ttgtccccgg caageccttc tgetgaaagt tcatactctg agcctgatgt cttaacgaat 480  
aaaggtccca tgctccaccc gaggacagtt ctctgtgcct gagactttct gaggttgtgc 540  
tttattttctg ctgcgtcgtg ggasanggcg gkagggtgtc aggggagagt ctgccaggcc 600  
tyaagggcag gaaaagactc cctaaggagc tgcagtgcac gcaaggatat ttt 653

<210> 2041  
<211> 1916  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1766)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1883)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1911)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1912)  
<223> n equals a,t,g, or c

<400> 2041  
tcccaagaca ggattatgaa tactccacca gctgttgtgt cagtatatga ctgctgctgc 60  
tcctatgcaa gggaacctac attcctcagt acacgcctgt scctccgaca gctgtttcta 120

1306

```

ttgarggtgt tgttgctgat acctctcccc agacagtggc accttcatcc caggacacca 180
gtggtcagca gcaacagata gcagtggaca catccaacga acatgcacct gcatattctt 240
accaacagtc taaaccataa acaggactga agaattgttg tytgaatctt tgccttgaat 300
gaagaaactt cattgaacaa gaagttggct tccagtttgc acagacgtca atggaatgca 360
tttttttgkt gktgktgktg tttttttttt agtgktatac cttacccaat gaaagcaaag 420
tttttatgtg ctgtgcaa at ggtcttcatg tggctctgaca atttattttt gccatcattt 480
ttttaattaa agaaaaaatt tccagaagag gaaaaaaa ctacaaaaaa caaacattg 540
aaggttgata ttttatgtgg aagaacattt gaattgaatt cagaattttt ctgaaggtgt 600
agatactttt tttttttttt ttaacagaaa acctgatgtc aagaggtggg caatagaaat 660
ggaaacaaat tgtcttcctc aataaattaag ctactttctc tttttccctt cttgttttaa 720
tctagtgggt tttttatttt attttttctt agaaatatgt aggttaagggt tatcttgaat 780
cttaattgcc ttaattttta ggacgtcaaa ggctctcgag gcaagctgtc aacgtcttgt 840
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taagactatg agtttttagg gtgaagaaaa aactgtacag tttaaatgaa aatgtttttc 960
ttcatttgaa gaaaatttgt tgataaacca tggcaactgc aagaattgga aaaatgctgg 1020
gacttttcat gaactttgtc ttaagtgttg acatgaatca ttctaaaagg ctaaaacatt 1080
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ctttttatct gcagtctttt ttatgagctt tacaaaagtt ttagtcagct ttgcttgtca 1260
cattgcaaaa cctagcttaa gagcattaaa aaaaaaaact taagtagata gkagcttatg 1320
gtcaaaaagt gcaaaaaaaa aaaacaaaaa aaaagcaata gatagagaaa ttgttgacaa 1380
tttctgtagt ctttcctagt tgtgatcaaa ttcagcctat ggatggccta ttttatacca 1440
aagatgaagt grcaccctat trcagtcag aagatagagg ttgttttcca tttcttctct 1500
tttcttttct ttttaagaat tttatttgac ctacatggcc ggaccagttc ttactttgtt 1560
gtttgtttta actaccttcc actggtgttt tatatactgc aaaacagaaac acaacaaaag 1620
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ttggttctag tagaaaagct gcacttgctg tgttcagcag tttctgccgg aagagttckg 1740
gataccaact gacaaaagcca aatggntttt tattcaatct gtgagctttt ctgggtccta 1800
ctagctctct tgaaggkgac acctgtgtgg gatggccac tgatatgtgg agacctgtgt 1860
ttaacaaggt gaaaattcct ttnccggtgg aacctttgga acctaaaagg nncctt 1916

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&lt;210&gt; 2042

&lt;211&gt; 1595

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2042

```

aaatcttctt acacacatct agackttcaa gtttgcaaat cagttttttag caagaaaaca 60
tttttgctat acaaacattt tgctaagtct gcccaaagcc cccccaatgc attccttcaa 120
caaaatacaa tctctgtact ttaaagttat tttagtcatg aaattttata tgcagagaga 180
aaaagttacc gagacagaaa acaaatctaa gggaaaggaa tattatggga ttaagctgag 240
caagcaattc tggtggaag tcaaacctgt cagtgtcca caccagggct gtggtcctcc 300
cagacatgca taggaatggc cacaggttta cactgccttc ccagcaatta taagcacacc 360
agattcaggg agactgacca ccaagggata gtgtaaaagg acatttttctc agttgggtcc 420
atcagcagtt tttcttctct catttattgt tgaaaactat tgtttcattt cttctttttat 480
aggccttatt actgcctaat ccaaagtgt accattgggt agacacatac aatgctctga 540
atacactacg aattttgtatt aaacacatca gaattttcc aaatacaaca tagtatagtc 600
ctgaatatgt acttttaaca caagagagac tattcaataa aaactcactg ggtctttcat 660
gtctttaagc taagtaagtg ttcagaaggt tcttttttat attgtcctcc acctccatca 720
ttttcaataa aagatagggc ttttgctccc ttgttcttgg agggaccatt attacatctc 780
tgaactacct ttgtatccaa catgttttaa atccttaaat gaattgcttt ctcccaaaaa 840

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1307

```

aagcacaata taaagaaaca caagatttaa ttatttttct acttgggggg aaaaaaagtc 900
ctcatgtaga agcaccact tttgcaatgt tgttctaagc tatctatcta wctctcagcc 960
catgataaag ttccttaagc tgggtattcc taatcaagga caagccaccc tagtgtctca 1020
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aggttaatgg ctaagaatgg gtaacatgac tcttgttgga ttgttatttt ttgtttgcaa 1140
tggggaattt ataagaagca tcaagtctct ttcttaccac agtcttggtta ggtggtttat 1200
agttcttttg gctaacaaat cattttggaa ataaagattt ttactacaa aaatgaaatt 1260
tgtttgact tccacttgag acagtaaaga gagtattaga caccagtaa aaactgccat 1320
ataaagaagt tgtaattgtt tgttgtgtat gtattttttt caatgccaaa ccagctgtga 1380
tccaatttac atccacattt taggtccaac agcaagaagt tcagagagag atttcccaac 1440
cagacattgg gtcactcact ggtcaccttg ccagtgcatt ttattagaag ggaatctgtt 1500
gtagcaaatg ggaataaacc tgggtttcta tagaccaga actgaaaaaa taaacatcgt 1560
gctgttttta atttgaaaaa aaaaaaaaaa aaaat 1595

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&lt;210&gt; 2043

&lt;211&gt; 1061

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2043

```

ggccgggcac cgggcgggcg ggttgggtcta cgctgtgctc ggccggacgtc ggaggcagcg 60
gggagcggag cggggccgcc ggggcctctc cagggccgca gcggcagcag ttgggcccc 120
cgccccggcc ggcggaccga agaacgcagg aagggggccg gggggacccg cccccggccg 180
gccgcagcca tgaactccaa cgtggagaac ctacccccgc acatcatccg cctggtgtac 240
aaggaggtga cgacactgac cgacagacca cccgatggca tcaaggtctt tcccaacgag 300
gaggacctca ccgacctcca ggtcaccatc gagggccctg aggggacccc atatgctgga 360
ggtctgttcc gcatgaaact cctgctgggg aaggacttcc ctgcctcccc acccaagggc 420
tacttcctga ccaagatctt ccacccgaac gtgggcgcca atggcgagat ctgctcaac 480
gtgctcaaga gggactggac ggctgagctg ggcatccgac acgtactgct gaccatcaag 540
tgctgctga tccaccctaa ccccgagtct gcactcaacg aggaggcggg ccgcctgctc 600
ttggagaact acgaggagta tgcagctcgg gccgtctgct tcacagagat ccacgggggc 660
gccggcgggc ccagcggcag ggccgaagcc ggtcggggcc tggccagtgg cactgaagct 720
tcctccaccg accctggggc cccagggggc ccgggagggg ctgagggtcc catggccaag 780
aagcatgctg gcgagcgcca taagaagctg gcggccaaga aaaagacgga caagaagsgg 840
gcgtgcggc ggctgtagtg ggctctcttc ctcttccac cgtgacccca acctctctg 900
tccccctcct ccaactctgt ctctaagtta tttaaattat ggctggggtc ggggagggta 960
cagggggcac tgggacctgg atttgttttt ctaaataaag ttggaaaagc aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agtcgtatcg a 1061

```

&lt;210&gt; 2044

&lt;211&gt; 653

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2044

```

ggcacgagcg gatgctcaac ctactgacc ggcaagtcaa aatctggttc cagaatcgca 60
ggatgaaaga aaagaaactg aacagagacc gtctgcagta ttactgga aaccccttat 120
tttgagagct ccaggaagcg cctcaccctc agcccaactc acccaccctc cttcccacca 180
gcctgctctc cgcagcccac tgtccttggg tttaatgacg tctcttctct gtggaayttc 240
acgattcctt cccacgggtca actcgggacc tcccagcgac cactgcagcc tgcggacgag 300
gccgggactt ggccgagcgg atcctaataa ggggaaaatg gtaaatgcaa acgtcccgtt 360

```

## 1308

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acaattttac cgccagtgtg ctgtcgttcc cccctcccmt ctccgagtc tctgtggggac 420
acggcggggt ctgttaggaag ttggggccggg ttggggggttg ctagaaggcg ctgggtgtttt 480
gctctgagtt ttaagagatc ccttccttcc tcttcggtga atgcaggtta tttaaacttt 540
gggaaatgta cttttagtct gtcatatcaa ggcattgagtc actgtctttt tttgtgtgaa 600
taaattggtt ctagtaaaat gaaarwaaaa aaaaaaaaaa aaaaaagtcg acc 653

```

&lt;210&gt; 2045

&lt;211&gt; 356

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2045

```

cggggcagaa aggcggcaaa ktgttggttaa aaaagcagac atgatcaacr raaatatgac 60
tcatcaggtc caagctgaga gagatgcact ggcactaagc aaaagcccat tcattgkcca 120
tttgtattat tcaactgcagt ctgcaaacaa tgtctacttg gtaatggaat atcttatttg 180
gggagatgtc aagtctctcc tacatatata tggttatttt gatgaagaga tggctgtgaa 240
atatattttc gaagtagcac tggctctaga ctaccttcac agacatggaa tcatccacag 300
ggacttgaaa ccggacaata tgcttatttc taatgagggg catattaaac tgacgg 356

```

&lt;210&gt; 2046

&lt;211&gt; 1439

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2046

```

tcccagctgg ccctgcccct ctacctccc tgccagagca cttacctcct tagatggagg 60
ccgagacccc aagtactgag gtgccacctg acccagagcc tgggtgtaccc ctgacacccc 120
catcccaaca ccaggaggcc ggtgctgggg acctgtgtgc actttgtggg gaacacctct 180
atgtcctgga acgcctctgt gtcaacggcc atttcttcca ccggagctgc ttccgctgcc 240
atacctgtga ggccacactg tggccagggt gctaygagca gcacccagga gatggacatt 300
tctactgcct ccagcacctg cccagacag accacaaarm ggaaggcagc gatagaggcc 360
ctgagagtcg ggagctcccc acaccaagtg agaatagcat gccaccaggc ctctcaactc 420
ccacagcctc gcaggagggg gccggctcctg ttccagatcc cagccagccc acccgctggc 480
agatccgcct ctccagcccc gagcgccagc ggttgtcctc ccttaacctt acccctgacc 540
cggaaatgga gcctccaccc aagcctcccc gcagctgctc cgcttgggc cgccacgccc 600
tggagagcag ctttgtgggc tggggcctgc cagtccagag ccctcaagct cttgtggcca 660
tggagaagga ggaaaaagag agtcccttct ccagtgaaga ggaagaagaa gatgtgcctt 720
tggactcaga tgtggaacag gccctgcaga cctttgcca gacctcaggc accatgaata 780
actaccaaac atggcgctcg actctgctgc gccgtgcgaa ggaggaggag atgaagaggt 840
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tagaggccga gggcgtgaag ctggagctgg ccttgaggcg ccagagcagt tccccagaac 960
agcaaaagaa actatgggtg ggacagctgc tacagctcgt tgacaagaaa aacagcctgg 1020
tggctgagga ggccgagctc atgatcacgg tgcaggaaat gaatctggag gagaaacagt 1080
ggcagctgga ccaggagcta cgaggctaca tgaaccggga agaaaacct aagacagctg 1140
ctgatcggca ggctgaggac caggctcctg ggaagctggg ggatttggtc aaccaagagag 1200
atgccctcat ccgcttccag gaggagcgca ggctcagcga gctggccttg gggacagggg 1260
cccagggcta gacgaggggt ggccgtctgc tttcgttccc aaaaagaaa cacctcacc 1320
cagcacagtg cccccctgt tcatctgggc tgccctggcag agagccttgc tgtttacaat 1380
taaaatgttt ctgccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1439

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&lt;210&gt; 2047

1309

<211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (576)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (584)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (585)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (586)  
 <223> n equals a,t,g, or c

<400> 2047  
 cctgcaggta ccggtccgga attccccgggt cgacccacgc gtccggaaga atttaaactw 60  
 agagaatgat taataaagtg gaaaatatcc aaagagtgtg aaataatttg gggagaaaagt 120  
 tgcaaaatgt ggagtttctt tacaacaaat attttcagtc catcagatgt ctacatgttt 180  
 tatgatctaa aataccagac aatgggtctgt gatatcatgg gactaccatt agcccagaaa 240  
 aggttgcttc tttcatctgc ttgcctaata accatagggt ggtcattact ttctctgaac 300  
 ttttattttc tcataattct ggttgctata agactcaaga gagaatgcac atgggaaagg 360  
 attttaaaaa ctgatcaatc tgtaaaatgt catgtattgg aaaagataaa gtaaaattca 420  
 taccagtatc ctaagtctcc actaaatgat aaaaaccgta cataattatg tctgttgatt 480  
 cccatagtaa ccatatgaaa cagatattat tcctatctca aatttaggga taaaaaccag 540  
 taggactgag gacattaagt aaattatcac agctcncsgg gggnnn 586

<210> 2048  
 <211> 895  
 <212> DNA  
 <213> Homo sapiens

<400> 2048  
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 gcaatataca gtgtgggaac tgtactgtga tcattggcta accaagatgg gtgacagttt 120  
 atgatttcaa agactcaaaag gcggcttgag tcctacaatg tcctactcat aaaaatggaa 180  
 agcatggcag cctcaggttg ttacagagta ctctactcca aagtaaaagt tattctctga 240  
 gaaagtgcctt actgcctttt ctgttctcta gtttgcttgg ttaaacattt actccacaaa 300  
 attgctcaaaa cttacccatc tttgaatatc tagcctctgg gatgagacag atgatctttc 360  
 tccgtttttca ctttttatag aatacagcta cctacccagg caatatgaag attttatattg 420  
 tagaacctgc cattttcctt agtgcatttg ctatgacttt gaccggtcca ctgacaacgc 480  
 aatatgttta tcggagaata tgggaagaaa ctggcaacta cactttttca tctgatagca 540



## 1310

```

atattttctga gtgtgaaaaa aacaaaagca gcccaatttt tgcattccag gaggtaagaa 600
attacaatat ccatagtatt taataaaatg ggaatgtata ccgggctttg agtcaaagag 660
gaccgtgaac tcatcatcca ttggtctctc tagggcgggc atcaaagtcc taaatcccaa 720
acctaattggc ctttactggg aactcacctc atttgaagtt tcttgacacc tttcaaattc 780
gcctcttctt cttaaaacac cctcctgctc tgtgacacta gctcttctcc tttctctcgg 840
aaaatttcac cacagtgtca tctcttctgt ggctgtctcc ttgctttgtc ctaaa      895

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<210> 2049

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<400> 2049

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tttatgatat ggaattcaat acaccccttc agtgggtataa agacattcct ggatttcttt 60
aggatagggg cagagttggg ttactatctg gccttcagtt tttaaaaggg gcgattcttt 120
gatatagcan tagcgtcaat ttt                                     143

```

<210> 2050

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (576)

<223> n equals a,t,g, or c

<400> 2050

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gagctccacc gcggtggcgg ccgctctaga actagtggat ccccgkctc gcaggaattc 60
atatgatgcc gcccgtaaac tcgacaagct ttacgtgacg gggctatagc tcagctggga 120
gagcgcttgc atggcatgca agaggtcagc ggcttcgatcc cgcttagctc caccaaattt 180

```

## 1311

tgcacccagc aaacttggta cgtaaacgca tcgtggggct atagctcagc tgggagagcg 240  
cttgcatggc atgcaagagg tcagcgggtc gatcccgtt agctccacca aatttccaac 300  
cctcgctgca aagsgggggt tttttgtctc tgctttttgc cgcttttgta atacagtcta 360  
cgtccgggtt agtgccgcct ggtgaaagca tcattggatg aaaaatcggc aacaggctgg 420  
ccccctgttt gcttcgcgat gcgaataaac ttattatttg tgtgcctgaa aaccccgatc 480  
agtgaagata gtgtactcat gtttgtggag cataacctga taaaaaatat caagatatcc 540  
acactagcgt ttacgctcac cgtgtmcggg ggnnnn 576

<210> 2051

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (578)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (580)

<223> n equals a,t,g, or c

<400> 2051

gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgtct gcaggaattc 60  
ggcacgagta acaaacctta cttttgttta aggtgctttt tctggctctc tgccattaag 120  
atctacattt tccaccctgt ctctcttagg acctgagggg tatctctttg atatgcaa 180  
gccagggaga ttactcacca gaagaagaag aagaaataga gctaattgga aattgagcaa 240  
ataaaaaaat cttgtttttt ctcccagaaa cagtgaaaag ctttagccat cctttagata 300  
atcttaactt gttccatctg ccagaaacac aatttggatt cagaaattct ttatgaactg 360  
tttttgtatt attgtacctg gcacatggct acagttttca aatgaaaact gtgaaatctg 420  
cttctgtctg tattttatgt atgtctgtgt atgcatgtat gtgtaatatt tttctacctc 480  
tagagactat cctaaaatta acttataaag agctgtattt aattgcctta aagaaaaagc 540  
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<210> 2052

<211> 571

<212> DNA

<213> Homo sapiens

<220>

1312

<221> misc feature  
 <222> (487)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (525)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (561)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (571)  
 <223> n equals a,t,g, or c

<400> 2052  
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 taagaagacc tctggctttc ctggaacaca gatgtcgaga catctcccat ggatttgtga 180  
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 tgaagcagct gaaaaggggt gccccgggcc cagcagggag caaaatctgg tgatattgct 300  
 tctgaacatc ccacatgtgc cacacacgtg cccccccca cacacacaca tgcacactca 360  
 catgcacact cacatgcaca ctacatgca cactcacatg cacactcaca tgcacactca 420  
 catgcacact cacatgcaca ctacatgca cacacagcct ggactctgtt ccccttatgc 480  
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 aaggatatc aggccagacc nccggggggg n 571

<210> 2053  
 <211> 807  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (57)  
 <223> n equals a,t,g, or c

<400> 2053  
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 caactcagta aaatgaactg tgatcaggag aataaggaaa tgttcagtgt attacttggg 180  
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 aaggaccccc cagtcatact ctatgatgaa gctacttcat cgtttagattc gattactgaa 360  
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 cacagattgt caacagtggg tgatgcagat gaaatcattg tcttggatca gggtaaggta 480  
 gccgaacgtg gtacccacca tggtttgctt gctaaccctc atagtatcta ttcagaaatg 540

## 1313

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tggcatacac agagcagccg tgtgcagaac catgataacc ccaaattggga agcaaagaaa 600
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aaaggctgtg gaaactgttc gtgctaagtc acataagaca ttttcttttt ttgttgtttt 720
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&lt;210&gt; 2054

&lt;211&gt; 843

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2054

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cccacctga tccaagtgcc cttattcaag gtgttgctga tttttgncc ttcactgccc 60
actcatartg argcaaatta ycattttctg kgaacacagc tcagattttg gctggaatgg 120
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cgg

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&lt;210&gt; 2055

&lt;211&gt; 753

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2055

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720

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1314

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa

753

&lt;210&gt; 2056

&lt;211&gt; 4016

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2056

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1315

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&lt;210&gt; 2057

&lt;211&gt; 587

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (540)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 1316

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 <222> (541)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (542)  
 <223> n equals a,t,g, or c

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<210> 2058  
 <211> 1063  
 <212> DNA  
 <213> Homo sapiens

<400> 2058  
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<210> 2059  
 <211> 2716  
 <212> DNA  
 <213> Homo sapiens

1317

&lt;400&gt; 2059

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aaaaaaaaag gcggcc 2716

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&lt;210&gt; 2060

&lt;211&gt; 2013

&lt;212&gt; DNA



1318

&lt;213&gt; Homo sapiens

&lt;400&gt; 2060

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tgtcagctta ttaatgtttt ctgtacccat taatgaattt taaattacaa aaaattgtct 1920
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 2013

```

&lt;210&gt; 2061

&lt;211&gt; 2595

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1009)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2456)

1319

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2471)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2507)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2535)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2593)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2061

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ggcatcccta atctgaaaat ccaagattaa atgctccaat tagcatttcc tttgagcgtc 60
atgttagagt tcaaaaagtt tcagattttg ggttttcaga ttaggaatac ccaacctgta 120
tgtacgtata tttctgtatc tatgtatgta tatatatgca tatgcagaca tatgtatatg 180
gtctggtcag catatgtgta tgtatgcgta tgtatgtatg tatgtatgcc ctcaagtgcag 240
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cagatctctt acgtgtgtgg atggatattt tttcattcta caatccatga tggattgtac 960
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1320

```

aatacttccg agaagcagac cagcataatc ttttaagtgc acaggcccag gagccagggt 1140
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tctcatctat tctggtttct catctacaaa agggagatga tgatagtacc ctacccccat 1260
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caaggcttag agnaa 2595

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&lt;210&gt; 2062

&lt;211&gt; 554

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (527)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2062

```

ggtacatttg tatattatca aaatgttctt attgtaacaa cttaactaat actaaaatgg 60
ataaaggaaa agtcaatctc ctggtagtag ccctccattc ttaacctctg aagtaacttg 120
tgtaagtga caattgtgta tcttactgat atacaacttt ttcactgtca tacaacatc 180
cccaagggtg tttgtttctg aaaatattac agcattgata ttctgcacat tccgtagctt 240
gctttaatca ctcaatatgt tataaacacc ccttcgtgtt aatagaaata atactaactc 300
atccttttta ataaccaaag tatggktata tcataatcta ttataaccatt caaatgttac 360
ttccagtttt gggggatttt ttttttttgg tctttttgct gttgktgttc attttttact 420
attccaaaaa tgcttcaaca aatattcttt tacagattga atgttgctta tccaaaatac 480
ttgggaccag aagtcttggg gatttctgat ttccagatta gggatgntca mcctgtatat 540
acctccttac acac 554

```

&lt;210&gt; 2063

&lt;211&gt; 1848

1321

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (969)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1822)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2063

```
gggaaccgcc ggctgtgggg ttggaaccgc cggtgtgtgag tttcctcact gcttggagga 60
agatgagaat tctcagaggt ccttatgtctg cccttttttgc tgcagtcttg acatcttaac 120
gtggatagaa aaaggccgtg cagcatcgaa gacaggagga actggagcct cattggccgg 180
cccggggcgc cggcctcggg cttaaataagg agctccgggc tctggctggg acccgaccgc 240
tgccggccgc gctcccgtg ctctgtccgg gtgatggaaa accccagccc ggccggccgc 300
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aagtggagcc agacggcctt ccccaagcag taccctctgt tccgcccccc tgcgcagtgg 480
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gtcagtaacg ggctgcgcga ctttgcgagg cgcgccgagg cctgggcgct gatgaaggag 600
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cccagcggca ccgggcagac gtcggcggag ctggagggtgc agegcaggca ctcgctggtc 720
tcgtttgtgg tgcgcacgtg gccagcccc gactggttcg tgggcgtgga cagcctggac 780
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tctcccgagg gcgcattcaa gcgggggcca cttgagaagt gaataaatgg ggcggtttcg 1740
gaagcgtcag tgtttccatg ttatggatct ctctgcgttt gaataaagac tatctctgtt 1800
gtcamaaaaa aaaaaaaaaa anaaaaaaaa ttggggggggg gcccggta 1848
```

&lt;210&gt; 2064

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1322

<220>  
 <221> misc feature  
 <222> (464)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (471)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (479)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (482)  
 <223> n equals a,t,g, or c

<400> 2064  
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 gcgtccgccc acgcgtccgc ccacgcgtcc gctgtgtcgt aaaatggggg tcccttactg 120  
 cattatcaag ggaaaggcaa gactgggacg tctagtccac aggaagacct gcaccactgt 180  
 cgcccttcaca caggtgaact cggaagacaa aggcgctttg gctaagctgg tggaagctat 240  
 caggaccaat tacaatgaca gatacgatga gatccgccgt cactgggggtg gcaatgtcct 300  
 gggtcctaag tctgtggctc gtatcgccaa gctcgaaaag gcaaaggcta aagaacttgc 360  
 cactaaactg gggttaaagt acactgttga gttttctgta cataaaaaata attgaaataa 420  
 tacaaatttt ctttcaaaaa aaaaaaaaaa aaaaaaaaaa aaangggggg nccccgtanc 480  
 cnattgg 487

<210> 2065  
 <211> 575  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (527)  
 <223> n equals a,t,g, or c

<400> 2065  
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 ggaaaagacg cagagaagta aaagatcaaa gtctgattgg caccggctcc cattccggct 180  
 ccagcctcca atccgacccc catttcggct gcagcctcgg acctagctcc ggccctcggg 240  
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 gatcccgtag ccagacctca agccatggct ggtcccttct cccgtctgct gtccgcccgc 360  
 ccgggactca ggctcctggc tttggccgga ggggggtctc tagccgctgg gtttctgctc 420  
 cgaccggaac ctgtacgagc tgccagtga cgacggaggc tgtatcccc gagcgtgag 480  
 taaccagaac ttccgaaagc acaacaattg catggccatc acttgancca gcatttatgc 540

## 1323

aagggtttgga aaagacaaac cattgggtttg aagta

575

&lt;210&gt; 2066

&lt;211&gt; 786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2066

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cgacagaagg gtacggctgc cagaagacga cagaagggtta cggctgagag aagacgacag 60
aagggtacgg ctgcgagaag acgacagaag ggggctcttc ctcgtttgcc cctcggtgttc 120
atgggagctc gttttctttt cctctaggca gagaagaggc gatggcggcg atggcatctc 180
tcggcgccct ggcgctgctc ctgctgtcca gcctctcccg ctgctcagcc gaggcctgcc 240
tggagcccca gatcacccct tcctactaca ccacttctga cgctgtcatt tccactgaga 300
ccgtcttcat tgtggagatc tccctgacat gcaagaacag ggtccagaac atggctctct 360
atgctgacgt cgggtgaaaa caattccctg tactcgagg ccaggatgtg gggcgttatc 420
aggtgtcctg gaggctggac cacaagagcg cccacgcagg cacctatgag gttagattct 480
tcgacgagga gtccacagc ctccctcagga aggtcagag gaataacgag gacatttcca 540
tcatcccgcc tctgtttaca gtcagcgtgg accatcgggg cacttggaac gggccctggg 600
tgtccactga ggtgctggct gcggcgatcg gccttgtgat ctactacttg gccttcagt 660
cgaagagcca catccaggcc tgagggcggc accccagccc tgccttctgt tccttcaata 720
aacatcacag gacctgggac tgcacaggaa aaaaaaaaaa aaactcgrgg ggggccccgt 780
acccaa                                           786

```

&lt;210&gt; 2067

&lt;211&gt; 2021

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2067

```

gtcccccgcg kckcttctgc ttttgtggcg gcgcccgcgc tcgcaggcca ctctctgctg 60
tcgcccgtcc cgcgcgctcc tccgaccgcg tccgctccgc tccgctcggc cccgcgcgcg 120
ccgtcaacat gatccgctgc ggccctggcct gcgagcgctg ccgctggatc ctgcccctgc 180
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ctgctgtgtt ccagatcatc tccctggtaa tttaccccg gttaagacac cagaccttca 540
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cagccacgat tatcctgatg ggctgtgcct tcttcttctg ctgcctcccc aactacgaag 660
atgaccttct gggcaatgcc aagcccagg acttctacac atctgcctaa cttgggaatg 720
aatgtgggag aaaatcgctg ctgctgagat ggactccaga agaagaaact gtttctccag 780
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## 1324

```

ctattttcatg gtccaaacct gttgccatag ttggtaaggc tttcctttta gtgtgaaata 1380
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attaataaat ctgtagtgtt ttgtgtttat atgttcagaa ccagagtaga ctggattgaa 1500
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ttaggaggggt cattcttgtc acaaaagtgc cactaaaaca gcctcaggag aataaatgac 1620
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tgaaaaccaa ttcattttta atatcagatt attattttgt aagttgtgga aaaagctaata 1920
tgtagttttc attatgaagt tttcccaata aaccagggtat tctaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcgt a 2021

```

<210> 2068

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<400> 2068

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gggaatcttc atgggacctt acgggacttc tactcaccac tgggtgcctga cagcatgaaa 60
tttgagattg gagaggctct ttacttgggc attatttctt cctgtttctc cctgatagct 120
ggaatcatcc tctgcttttc ctgctcatcc cagagaaatc gctccaaacta ctacgatgcc 180
taccaagccc aacctcttgc cacaaggagc tctccaaggc ctgggtcaacc tcccaaagtc 240
aagagtgagt tcaattccta cancc 265

```

<210> 2069

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

1325

<221> misc feature  
 <222> (49)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (67)  
 <223> n equals a,t,g, or c

<400> 2069  
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 ccaaagntcc cagcctaggc ccttaatctt gctgttattt tccatggact aaaggtctgg 120  
 tcactctgagc tcacgctggc tcacacagct ctaggggcct gctcctctaa ctcacagtgg 180  
 gttttgtgag gctctgtggc ccagagcaga cctgcatatc tgagcaaaaa tagcaaaagc 240  
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 ccaacccttc ttgcctgggt aggagaggct aaagatcacc ctaaatttac tcactctctct 360  
 agtgctgcct cacattgggc ctcagcagct ccccgagacc aattcacagg tcacccctct 420  
 cttcttgacac tgtcccaaaa cttgctgtca attccgagat ctaatctccc cctacgctct 480  
 gccaggaatt ctttcagacc tcactagcac aagcccgggt gtccttgtc aggagaattt 540  
 gtagatcatt ctcaacttcaa attcctgggg ctgatacttc tctcatcttg caccccaacc 600  
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 ggaggagtgt tcattgtata ataagttatt cacctgagta tgcaataaag atgtggtggc 720  
 cactctttca tgggtggtggc agcagttaaa aaaaaaaaaa aaaaaaaact cgag 774

<210> 2070  
 <211> 2620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (26)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (27)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2599)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature



1326

&lt;222&gt; (2609)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2070

```

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ggtaccggtc cggaattccc gggtcgaccc acgcgtccgg ggtgtccgag ggccacaaga 120
gtatgacggg gctgtacgag ctgggtgtggc ggggtgtgca cgcgctgctc tgtctgcacc 180
gcacgctcac ctcttggtc cgcgttcggt tcggcacctg gaactggatc tggcggcgct 240
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cggcagtcgg caggaaccgc cgtcaccacc ggcaccgcg cgggggggtcg tgcctggcag 360
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tcgtggtgtg gtgtatggcc gtgggcatct cctacattag cgtctacgac caccaaggta 540
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aagttttaaa ttgccatttg gcagtgaagg tgctgtctgc cggaagatgg aaaagcagat 720
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tgggtctaaa ttggttggtt aattctgaag ctatgaagaa taaatgtttc aactttggat 2520
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aaaaaaaaaa aaaaaattnc tgcggccgnc aagggaattc 2620

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&lt;210&gt; 2071

&lt;211&gt; 1476

1327

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2071

```

taaaattttg gaatttgcca tttctcagac aatgatcagg ccttaggaaa ttaatacagt 60
agtagtaatc attttctagg ggaaaataaa agaataaatc actatactga tattttgata 120
taagcaagca cttacatggt aatcactata tagatccaac ctgtggattt tcttcttatg 180
tccatttaac tagaatatat tatttttaggt ataatttaca aatgtcacac ctaataatct 240
tttataatat acctattttc attaaagttt tgtttagagaa gtatctacca cagaggagtt 300
tttgtcattg tgtacgttgt gtatttgaac ccaccatgac agaaagtaaa ttttaggaaa 360
tagttatgag attaagggaa aatctataaa aacaagggtta gcatattctc aacacagata 420
ccaccacttt ctttttccca ttatagacat ggtgaatcca cacagcatac ttcactctctg 480
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taagataaag cagattctgt cttcattgca aaaagttatt ctcaatggaa gaatggcatc 600
tgatctcata attactagtt tatattaata tagttttttt ctcccttttt aataaaataa 660
ttacagtcac ccctcagtggt ctgtggggga ttgggtccag ttacccttat agataccaaa 720
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actattttgt tatatggaat gggttaattt tacctaataa aaacatagat gaaatacawt 1440
gtaaaaaaaa aaaaagcctc cctccgtgcc gtgcgt 1476

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&lt;210&gt; 2072

&lt;211&gt; 2224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2072

```

cgggtcgacc cacgcgtccg gagctgcccc gaacaaagat ggcgcgggaa gcgtctgtga 60
gggcagactg atccgagcac ccaaaccctc ggcgagacagc ggagccagtg gtagccgcac 120
ggccctaaaa ccatggagga gggcggcagc actggcagtg ctggcagtg cagcagcacc 180
agcgggagtg gcggggcgca gcaaaggag ctggagcgca tggctgaggt cttggtcacc 240
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tttagaaaag atgacggcac cttcccattg gataatgaag tgaaggcctt tatgagagga 540
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```

1328

```

gaaggggtca agtatgagcg caccttcatg gcattctgaat tcctggactg gctgggttcag 660
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ttcagaatga acttccggcg gaggcgaaga ctgatggagc tgctcaatga aaagtcccc 840
tcctcccagg aaactcatga cagtcccttc tgctgagga agcagagcca tgacaatcgg 900
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aatttttgtt aaatcagctc attttttaac caataggccg aaatcggcaa aatcccttat 2160
aatcaaaaag aatagaccga gatagggttg agtggtgttc cagtttgga caagagtcca 2220
ctat 2224

```

&lt;210&gt; 2073

&lt;211&gt; 820

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1329

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (690)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (812)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (814)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2073

```

acgggatttn tggnatgcna ttcccgacac tatagatngt acgcctgcag ntaccgggtcc 60
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gccccagacc ctgggtgggg gctgtctcgg cacttccacc tccctgctgc tgctggcgctc 180
kacagccatc ctcaatgcgg ccaggataacc tgttccccc gctgtggga agccccagca 240
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cactgctgcc cactgtttca aggacaacct gaacaaacca tacctgttct ctgtgctgct 420
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agttcccttg cccaccctca gaccctgcan aagctgaagg ttctatcatc gactcggaag 720
tctgcagcat ctgtactgcg ggagcaagac aggacccatc actgaggaca tgctgtgtgc 780
ggtacttgga gggaacggga tgcttgctgg cnantccggg 820

```

&lt;210&gt; 2074

&lt;211&gt; 1487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 1330

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1487)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2074

```
atgctcgacc ttagattgtn ctctgcagn naccgggtccg gaattcccgg gtcgacccac 60
gcgtccgatt tgcgggaacg cagagcggag cgtggagagc ggagcgaagc tggataacag 120
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gctggccgag cttcgcgcgt ggatcgcgca cagcagcag cggcacatac gggactcggc 480
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gcctggcctg gcctgggaca cctcctctct gccaggaggc aataaaagcc agcgccggga 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaan 1487
```

&lt;210&gt; 2075

&lt;211&gt; 2386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2075

1331

```

gacactatag aaggtacgcc tgcagggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgatcagtt atggctaaat cctgtccatc tgtgtgtcgc tgcgatgcgg gtttcattta 120
ctgtaatgat cgctttctga catccattcc aacaggaata ccagaggatg ctacaactct 180
ctaccttcag aacaaccaa taaataatgc tgggattcct tcagatttga aaaacttgct 240
gaaagtagaa agaataatcc tataccacaa cagtttagat gaatttccta ccaacctccc 300
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gcatatagca aagggaggag aagaaaaggat gactatgcag aagctggcac taagaaggac 1740
aactctatcc tggaaatcag ggaaacttct tttcagatgt taccaataag caatgaaccc 1800
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tctatatttt agtatttttt agtaatttgt actgtatttt ccttgcaaat attggagtta 2220
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tcttgctgtg tcgaacaatc aggactgcat tcatatgaga tccttgtagt ataagcacag 2340
gccatttttc actttggtat taataaaatg taaaaaaaaa attggt 2386

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&lt;210&gt; 2076

&lt;211&gt; 3893

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

1332

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (14)  
 <223> n equals a,t,g, or c

<400> 2076  
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 cctgcaggta cgggtccgga attcccgggt cgaccacgc gtccgatccc atcagagtct 120  
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1333

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&lt;210&gt; 2077

&lt;211&gt; 3233

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3224)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3231)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2077

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1334

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&lt;210&gt; 2078

&lt;211&gt; 2981

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1335

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 <222> (139)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (140)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2817)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2916)  
 <223> n equals a,t,g, or c

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1336

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&lt;210&gt; 2079

&lt;211&gt; 2458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2079

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1337

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&lt;211&gt; 2650

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

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1338

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cagtttgggc                                     2650

```

&lt;210&gt; 2081

&lt;211&gt; 2302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1339

&lt;222&gt; (135)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2081

```

gacgccggag cccctctgacc gcacctctga ccacaacaaa cccctactcc acccgctcttg 60
tttgtcccac cettgggtgac gcagagcccc agcccagacc ccgcccacaa cactcattta 120
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aaaaaaaaaa aaaaaaaaaa aa 2302

```

&lt;210&gt; 2082

&lt;211&gt; 1958

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

## 1340

<222> (1724)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1843)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1850)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1864)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1875)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1907)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1911)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1936)  
 <223> n equals a,t,g, or c

<400> 2082  
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 ccaccatcaa acaggathtt cgctgtctgg ggcaaaccag cgtggaccgc ttgctgcaac 240  
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 gtgagttagc tcaactatta ggcaccccag gctttacact ttatgcttcc ggctcgtatg 480  
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 gccaaagctct aatacgactc actataggga aagctggtag gcctgcagggt accgggtccgg 600  
 aattccccggg tcgacccacg cgtccgaccg aaacggacac ggactgaatg ttacttttcc 660  
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1341

```

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caccaaagtc gagaagcctg acaacggaac ctacagttgt attgcaaagt catctctgaa 900
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atgagaaagc tgagatgcca tcgaatacag agagagtttt gcacacaggac ctccacaatt 1140
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aatggggcc cattgnccct gatagaacgg gttttttc 1958

```

&lt;210&gt; 2083

&lt;211&gt; 1247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1247)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2083

```

tcgaaattaa ccctcactaa agggaaacaaa agctggagct ccaccgcggt ggcggccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gagccgcgct cctgcctcct 120
gccccagcag gcaggaagaa tgggggctga cctctacctc ggtgctcaag agagaggccc 180
cagctggcag ggaccagaa gagcctggag atgttggtgc tggagacccc aactctgac 240
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tctatgactt tgaaccagcg ctcaagacgg aggacctgct ggcaacgttt tctgagttcc 720
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```



## 1342

```

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aagccttcac agacgccaga gcagccccgc accaccctcg agcttcacca tggggtgtgg 1140
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggncn 1247

```

<210> 2084

<211> 2129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1705)

<223> n equals a,t,g, or c

<400> 2084

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cttcagtgcg gtaggttctt ccacgcgtat gacgctgtgg gcttttcttg gtctggagtc 180
tgcgtgtgcg aatactgatg tagtggaanaa cccggaacgt aatgtgcaa tcgcgggtact 240
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```

## 1343

```

gcaatttcgc tgtagaaaaa cgcctcggaa gatctggaga acgactctgc cgtcgatgcc 1920
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gcaacctggt atttcaaacg cagctctgca atttcccgaa ccggttattc cgagtactgg 2040
gcggggcccg tacccaattc gccctatagt gagtcgtatt acaattcact ggccgctcgt 2100
ttacaacgtc gtgactggga aaaccaggg                               2129

```

&lt;210&gt; 2085

&lt;211&gt; 788

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2085

```

ccacgcgtcc ggcattggtgg tgtgcacctg tattctcagc ctcccaagta gctgggatta 60
cagtcaggca ccaccacacc cggctaattt tgtatttttt tagtagagac aggggtttctc 120
catgtcggtc agggtagtcc cgaactcctg acctcaagtg atctgcctgc ctgggcctcc 180
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atttcaataa aaaaaaactc ttatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa                               788

```

&lt;210&gt; 2086

&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2086

```

agtgggcggg ccattttcttg ttctctctcc cgtctctcga agctttctgc tcgtgggtgc 60
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```

## 1344

```

aagcttcagc cctgcacatt tgaactagtc actctcccag acttgcgtag gtcagttctt 1140
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actgagggaa acatccctct tagctgggaa acttttactc ttcaggagct tggcatcatg 1260
gactgttaat gtatgtgatt ttccccctat tttctctctc caaaatgata aaaacaataa 1320
ttttaaaaaa aaaaaaaaaa aaactcgagg                                     1350

```

<210> 2087

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<400> 2087

```

ggggtgtggt agtatccatt gttttaatta gcatttctct agtgatatag ggtgttaagc 60
tccatttcat gttttttnt tttctctatt atctttgggtg atacatntgn tcagattttt 120
tgctnttttt taagattttt tctttattgt gtgntaagag ttcttggtat attttagata 180
ccagtccttt ataagatgtg ttgacaaat attttctcct agtctgtggc ttgtcttttc 240
atttttttta aacagtgttt tacagagaag aaaaattttc aattttaatg aagtctacct 300
tatcaatttt ttctttatgg gtcatgattt tcgtgctgtg ttacaaata tattgccaaa 360
caagattttc ttcttcatta tctacaagtt ttacagtttt gaattgtatg tataggctctg 420
tgatactttc tgagttaact tttgtgaaag ataaaagggtc agtgttggat agattatttt 480
tccttttgca tgtggttgtc cagcaccatg aagactcttc cttctccact gaattgtctt 540
tgtacttttg ccaaagatca gatttacctc ttaaatcttt gtcaaacctg tccacttctc 600
accatctcca ttttcaatct cttcggacgc gtgggcggac gcgtgggtcg acccggaat 660
tccggaccgg tacctgcagg cgtaccagct ttccctatag tgagtcgtat tagagc 716

```

<210> 2088

## 1345

&lt;211&gt; 1424

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1391)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1406)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1415)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2088

```
gaattcggca cgagtggcta tatatttctt cacttgcaat tgcctcatgg ggttcttata 60
aggctgaaat ccaataacgg atacaaaaat actttaaaaa gtaggcattg atttctactg 120
acagccatga gagagtttct agaactagac ctggatggcc ccaaacaact agaaaattgg 180
acaaaagata taataaaaaaa actgttttca accattggac agtagtcagc ataggactct 240
tatctttgag agaaggggca aaaacaagat gatccctata agcttcccta atttcttttt 300
tttctttttt tgagacgctg tctccaaaac aaaacaaaag aataggacaa tctcgtattt 360
cctctatcta gactcaacaa ttcttaatat ttgctttatc cctgtctttc tacacatgca 420
tacacatata cacacacagg catacataat tgcataattt caggggtgtt ttgctgatct 480
atlttgaaagt aagtttcaga cattatgaca cctactccta attcctcatg ttttttctaa 540
gaataaggat attatcttac ctaacatatc ttttatcaaa cctacaaaaa ttaacaattt 600
tatatctaata attagttcat gtttaggttt tgccgtgttt cccccaatg tcttttacag 660
tacatgtttt taaaaccagg atctaaggag ttcacagatt atatttggtt attatgtctc 720
tttagtgtct tttggcatcc ttgggttttc tactttttatc ccccatgaca ctgactattg 780
gaagagtcca gaccaatttt ctatttgatt gcttccytgt gtgtatcatt taatttgttc 840
ctctatctca tgtgttttct gttaaactgaa agtttagtgt agagattgag tctaaatatt 900
tttggaagat atatgtcgta ggtaacattt gtgctttata ctgcatcata ttgggagata 960
aataatatta tattgccatc tctgttagtg cagccattag aaagacattg tgccatgtgc 1020
tgtctctttg ctgtgttttg tatctgttga gagccatatt tttataaaaa tcttaaagca 1080
ttgtcctctg tgaagaaaat atattagaaa aattacactt gacagtataa gaattgttga 1140
tttgaataaaa tacatgattt ttagaagaca tatgtatgac cagcaggaat agtagcctaa 1200
taggcctttg tttgggacag aatacacctc agatcatcca gaaatctaaa atcaggcctg 1260
tgtgcctttg actggtatct tccatgtggt gttgaagagt ttgagaattt aaaagaaaat 1320
gaattaatac taagcaagac acactttttt ctttgttcct taataaaaaa aaaaaaaaar 1380
actcgagggg ncccttggtg cccganctca agggngcata gtcg 1424
```

&lt;210&gt; 2089

&lt;211&gt; 1226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 1346

<221> misc feature  
 <222> (164)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1180)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1197)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1215)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1221)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1224)  
 <223> n equals a,t,g, or c

<400> 2089  
 ggcacgagcg gcggtggtca atgcgttcta ctccccaaac cgaaaccaga ttgtattccc 60  
 tgccgggagc ctccagcccc ccttcttcag caaggagcag ccacaggcct tgaactttgg 120  
 aggcattggg atggtgatcg ggcacgarat cacgcacggc tttnacgaca atggccggaa 180  
 cttcgacaag aatggcaaca tgatggattg gtggagtaac ttctccaccc agcacttccg 240  
 ggagcagtca gagtgcattga tctaccagta cggcaactac tcctgggact ggcagacgaa 300  
 cagaacgtga gcgctgccac cagcaccacg gctgcggggg taccggagcc cyagccctgg 360  
 ccctgaggga gagggaaagtc agggccgggg ctgccccaat cctgtctcct gtgcgcagtg 420  
 aacggattca acacccttgg ggaaaacatt gctgacaacg gaggggtgcg gcaagcctat 480  
 aaggcctacc tcaagtggat ggcagagggg ggcaaggacc agcagctgcc cggcctggat 540  
 ctcacccatg agcagctctt cttcatcaac tatgccaggg tgtggtgctg gtcctaccgg 600  
 cccgagttcg ccatccaatc catcaagaca gacgtccaca gtcccctgaa gtacagggta 660  
 ctggggtcgc tgcagaacct ggccgccttc gcagacacgt tccactgtgc ccggggcacc 720  
 cccatgcacc ccaaggagcg atgccgcgtg tggtagccaa ggccctgccg cgctgtgctg 780  
 cccacgcccc cccgctgctc ggaggcatct gtgcgaagggt gcagctagcg gcgacccagt 840  
 gtacgtcccc ccccggccaa ccatgccaa cctgcctgcc aggcctctgc gcctggccta 900  
 ggggtgcagc acctgcctga caccagggga tgagcagtg ccagtcagc acctggaccg 960  
 gagccccctc cacagacacc cgcggggctc agtgcctccg tcacagctct gtagagacaa 1020  
 tcaactgtgt cctgcccacc ctccaagggt cattgtcttc cagtatctac agcttcagac 1080  
 ttgagctaag taaatgcttc aaagaaaaaa aaaaaaaaaa tcgagggggg ccggacccaa 1140  
 tygccttagg agcgatacat tcattggcgc gttwaacgcn gactggaaac ctgggtncca 1200  
 cttatcgctt gaganatccc nttnc 1226

1347

<210> 2090  
 <211> 1632  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (14)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1602)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1616)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1617)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1628)  
 <223> n equals a,t,g, or c

<400> 2090  
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 cgaccaaggg gctgcggctt ctctttgatg gcatgcccc cctcctcatg tccatcccca 120  
 gccccttccg tggacggctc tgtggcctct gtgggaactt caatggcaac tggagtgcag 180  
 actttgtcct gcccaatggc tcagcagcgt ccagtgtgga gaccttcggg gctgcatggc 240  
 ggggccccgg ctccctccaag ggctgtggcg agggctgcgg gcccgaaggc tgcccagtg 300  
 gcttggcaga ggagactgca ccctatgaga gcaacgaggc ctgcgggcag ctccggaacc 360  
 cccagggccc cttcgcgacc tgccaggcgg tgcctgagtc ctctgagtac ttccgccaat 420  
 gcgtatacga cctgtgcgcg caaaaggggtg acaaagcctt cctgtgccgc agcctggcag 480  
 cctacacggc ggccctgtcag gcagctggcg tggccgtgaa gccctggagg acagacagct 540  
 tctgcccgtt ccattgcccc gccacagcc actactccat ctgcactcgc acctgccagg 600  
 gatcctgtgc ggctctctcc ggccctcagc gctgcaccac ccgctgtttt gagggtgtgt 660  
 agtgcgacga ccgyttcctg ctttcccagg gtgtctgcat ccctgtccaa gattgtggct 720  
 gcacccataa tggccgatac ttgccggtaa actcctccct gctgacctca gactgcagcg 780  
 agcgtgttct ctgttctcga agctctggcc tgacatgcca ggcagctggc tgcccaccag 840  
 gccgtgtatg tgaggtcaag gctgaagccc ggaactgctg ggccaccctt ggtctctgtg 900  
 tcctgtctgt ggggtccaac ctcaccacct ttgatggggc ccgtgggtgc accacctctc 960  
 ctgggtgtcta tgagctctct tcccgtctgc caggactaca gaataccatc ccctggtacc 1020  
 gtgtagtgtc cgaagtccag atctgccatg gcaaacggga ggctgtgggc cagggtccaca 1080  
 tcttcttcca ggatgggatg gtgacgttga ctccaaacaa ggggtgtgtg gtgaatggtc 1140

## 1348

```

tccgagtgga tctcccagct gagaagttag catctgtgtc cgtgagtcgt acacctgatg 1200
gctccctgct agtccgccag aaggcagggg tccaggtgtg gcttggagcc aatgggaagg 1260
tggctgtgat tgtcagcaat gaccatgctg ggaaactgtg tggggcctgt ggaaactttg 1320
acggggacca gaccaatgat tggcatgact cccaggagaa gccagcgatg gagaaatgga 1380
gagcgcagga cttctcccca tgttatggct gatcagtcac ccaccaggaa cgaagatttc 1440
ctgaagaaga cctggtcctt ctggagggtt crgtggctga aggatgcac atgtgctcct 1500
accctgctct accgcttttc tgggtcacag aggccaaatg tgagagcatt gaataaatat 1560
cttaagctaa aaaaaaaaaa raaaaagggc cgataagggc anagggccct tggcanngag 1620
attccccgntt cc 1632

```

<210> 2091

<211> 2429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2406)

<223> n equals a,t,g, or c

<400> 2091

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tcgccagctc gaaattaacc ctactaaaag ggaacaaaag ctggagctcc accgcggtgg 60
cggccgctct agaactagtg gatcccccg gctgcaggaa ttcggcacga gtaactgcaa 120
tctggaagat ttggataatt ggacagcact tataatctgca tcgaaagaag ggcattgtgca 180
catcgtagag gaactactga aatgtggggt taacttggag caccgtgata tgggagggatg 240
gacagctctt atgtgggcat gttacaaaag cgtactgac gtagtagagt tgcttctttc 300
tcatggtgcc aatccaagtg tctactggtc gtacagtgtt tacccaatca tttgggcagc 360
agggagaggg catgcagata tagttcatct tttactgcaa aatggtgcta aagtcaactg 420
ctctgataag tatggaacca cccctttagt tttggctgca cgaaagggtc atttggaatg 480
tgtgaaacat ttattggcca tgggagctga tgtggatcaa gaaggagcta attcaatgac 540
tgcacttatt gtggcagtga aaggaggtta cacacagtca gtaaaagaaa ttttgaagag 600

```

1349

```

gaatccaaat gtaaacttaa cagataaaga tggaaataca gctttgatga ttgcatcaaa 660
ggaggggacat acggagattg tgcaggatct gctcgacgct ggaacatatg tgaacatacc 720
tgacaggagt ggggatactg tgttgattgg cgctgtcara ggtggtcatg ttgaaattgt 780
tcgagcgctt ctccaaaaat atgctgatat agacattaga ggacaggata ataaaactgc 840
tttgatttgg gctgttgaga aaggaaatgc aacaatggtg agagatatct tacagtgcaa 900
tcttgacact gaaatatgca caaaggatgg tgaaacgcca cttataaagg ctaccaagat 960
gagaaacatt gaagtgggtg agctgctgct agataaagggt gctaaagtgt ctgctgtaga 1020
taagaaagga gatactycct tgcataattgc tattcgtgga aggagccgga aactggcaga 1080
actgctttta agaaatccca aagatgggcg attactttat aggcccaaca aagcaggcga 1140
gactccttat aatattgact gtagccatca gaagagtatt ttaactcaa tatttggagc 1200
cagacacttg tctcctactg aaacagacgg tgacatgctt ggatatgatt tatatagcag 1260
tgccctggca gatattctca gtgagcctac catgcagcca cccatttgtg tggggttata 1320
tgcacagtgg ggaagtggga aatctttctt actcaagaaa ctagaagacg aaatgaaaac 1380
cttcgcggga caacagattg agcctctctt tcagttctca tggctcatag tgtttcttac 1440
cctgctactt tgtggaggggc ttggtttatt gtttgccctc acggtccacc caaatcttgg 1500
aatagcagtg tcactgagct tcttggctct cttatatata ttctttattg tcatttactt 1560
tggtggacga agagaaggag agagtgggaa ttgggcctgg gtcttcagca ctagattggc 1620
aagacatatt ggatatattg aactcctcct taaattgatg tttgtgaatc cacctgagtt 1680
gccagagcag actactaaag ctttacctgt gaggtttttg tttacagatt acaatagact 1740
gtccagtgtg ggtggagaaa cttctctggc tgaaatgatt gcaaccctct cggatgcttg 1800
tgaaagagag tttggctttt tggcaaccag gctttttcga gtattcaaga ctgaagatac 1860
tcagggtaaa aaaaaaaaaa aaaactcgag gggggggccc gtaccaatt cgccctatag 1920
tgagtcgtat tacaattcac tggccgtcgt ttacaacgt cgtgactggg aaaaccctgg 1980
cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc gtaatagcga 2040
agaggccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg aatggcaaat 2100
tgtaagcgtt aatattttgt taaaattcgc gttaaatttt tgttaaatca gctcattttt 2160
taaccaatag gccgaaatcg gcaaaatccc ttataaatca aaagaataga ccgagatagg 2220
gttgagtgtt ggtccagttt ggaacaagag tccactatta aagaacgtgg acttcaacgt 2280
caaaagggcg aaaaacccgt ntatcanggc gatggccac tacgtggaac cattaccctt 2340
aatcaagggt tttttggggg tcnaagggtgc ccntaaaggc acttaaaatc ggggaccccc 2400
ttaaanggga gccccccga ttttaaaaa 2429

```

&lt;210&gt; 2092

&lt;211&gt; 902

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (834)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (864)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (894)

&lt;223&gt; n equals a,t,g, or c



1350

&lt;400&gt; 2092

```

tetaatacga ctcactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc 60
gggtcgaccc acgcgtccgc ccaagctcat ggtttgccca cgggcaccca ctgtacacac 120
gcctgcccc cagcgccctg caagttctgt cggcccaggg gactcaggcg ttgcaggcag 180
cccagaggag cgcccagtgg gcaataaacc gagtggcgat ggagatccag cacagatcgc 240
acgagtgcgc aggatctggg cgccccaggc ctcaagctct cctccaggac ccacctgagc 300
cagggccgtg cggcgagagg cgtccgagca ctgccaatgt gacgcggggc cacggccgca 360
tcgtgggggg cagcgcgggc cgccccgggg cctggccctg gctgggtgagg ctgcagctcg 420
gcgggcagcc tctgtgcggc ggcgtctgtg tagcggcctc ctgggtgctc acggcagcgc 480
actgctttgt aggcgccccg aatgagcttc tgtggactgt gacgctggca gagggggtccc 540
gggggggagca agcggaggag gtgccagtga accgcatect gccccacccc aagtttgacc 600
cgcggacctt ycacaacgac ctggccctgg tgcactgtg gacgcgggtg acccgggggg 660
atcggcgcg cccgtgtgcc tggccaggag cccaggagc cccctgccgg aaccgsetgs 720
gccatcgcg gctggggcgc cctyttcgaa gacgggcctk aggctkaagc artgagagag 780
gcccstgttc cctgtstcag caccgacacc tgccgaagag ccttgggggc cggngtgcgc 840
cccagcacca tgctctgcgc cganacctgg cggcgggcgt tgactcgtgc cagngtgact 900
cg

```

&lt;210&gt; 2093

&lt;211&gt; 1815

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2093

```

gcgtggatcc aagatggcga cggcgatgga ttggttgccg tggctctttac tgcttttctc 60
cctgatgtgt gaaacaagcg ccttctatgt gcctggggtc gcgcctatca acttccacca 120
gaacgatccc gtagaaatca aggtgtgaa gctcaccagc tctcgaaccc agctacctta 180
tgaatactat tcaactgccct tctgccagcc cagcaagata acctacaagg cagagaatct 240
gggagagggtg ctgagagggg accggattgt caacacccct ttccagggtc tcatgaacag 300
cgagaagaag tgtgaagtgc tgtgcagcca gtccaacaag ccagtgaccc tgacagtgga 360
gcagagccga ctctgtggccg agcggatcac agaagactac tacgtccacc tcattgctga 420
caacctgcct gtggccaccc ggctggagct ctactccaac cgagacagcg atgacaagaa 480
gaaggaaaagt gatatacaat gggctctcgc tgggacactt acctgaccat gagtgcgctc 540
cagatccact ggttttctat cattaactcc gttgttgtgg tcttcttctc gtcagggtatc 600
ctgagcatga ttatcattcg gacctccgg aaggacattg ccaactacaa caaggaggat 660
gacattgaag acaccatgga ggagtctggg tggaaagtgg tgcaacggcg cgtcttcagg 720
ccccccccag taccatga tccctcagctc cctgctgggc tcaggcatte agctgttctg 780
tatgatcctc atcgtcatct ttgtagccat gcttgggatg ctgtcgccct ccagccgggg 840
agctctcatg accacagcct gcttctctct catgttcatg ggggtgtttg gcggattttc 900
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gttcgggatc tccctgcccc tcgtctactt gggctactac ttcggcttcc gaaagcagcc 1140
atatgacaac cctgtgcgca ccaaccagat tccccggcag atccccgagc agcggtggtg 1200
catgaaccga tttgtgggca tcctcatggc tgggatcttg cccttcggcg ccatgttcat 1260
cgagctcttc ttcactctca gtgctatctg ggagaatcag ttctattacc tctttggctt 1320
cctgktcctt gttttcatca tcctgggtgg atcctgttca caaatcagca tcgtcatggg 1380
gtacttccag ctgtgtgcag aggattaccg ctgggtgggtg agaaatttcc tagtctccgg 1440
gggctctgca ttctacgtcc tggtttatgc catcttttat ttcgttaaca agtgactgca 1500
gcgccaagcg gcatccacca agcatcaagt tggagaaaaa ggaacccaag cagtagagag 1560

```

## 1351

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cgatattgga gtcttttggt cattcaaatc ttggattttt ttttttcct aagagattct 1620
cttttttaggg ggaatgggaa acggacacct cataaagggg tcaaagatca tcaatttttc 1680
tgacttttta aatcattatc attattattt ttaattaaaa aaatgcctgt atgccttttt 1740
ttggtcggat tgtaaataaa tataaccattg tcctacaaaa aaaaaaaaaa aaaaaaactt 1800
ctcggccgca aggaa 1815

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<210> 2094

<211> 5459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3960)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3961)

<223> n equals a,t,g, or c

<400> 2094

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accaattccc ttcttgggag ttgcggcttc cctcgetcgg ccccaactccc gtttaccctt 60
tccccagctc ccgccttagc caggggcttc cccgcctgcc gctagggctc gggccgaagc 120
gccgctcagc gccagcctgc cgtcccccg gctccacttt cactttcggg cctgggggar 180
ctargccggm ggcagtggtg gtggcggcgg cgcaagggtg agggcgcccc cagaacccca 240
ggtaggtaga gcaagaagat ggtgtttctg cccctcaaat ggtcccttgc aaccatgtca 300
tttctacttt cctcactgtt ggctctctta actgtgtcca ctcttcatg gtgtcagagc 360
actgaagcat ctccaaaacg tagtgatggg acaccatttc cttggaataa aatacgaactt 420
cctgagtacg tcatcccagt tcattatgat ctcttgatcc atgcaaacct taccacgctg 480
accttctggg gaaccacgaa agtagaaatc acagccagtc agcccaccag caccatcatc 540
ctgcatagtc accacctgca gatatctagg gccaccctca ggaagggagc tggagagagg 600
ctatcggaag aacccctgca ggtcctggaa cccccccctc aggagcaaat tgcaactgctg 660
gctcccgagc ccctccttgt cgggctcccc tacacagttg tcattcacta tgctggcaat 720
ctttcggaga ctttccacgg attttacaaa agcacctaca gaaccaagga aggggaactg 780
aggatactag catcaacaca atttgaaccc actgcagcta gaatggcctt tccctgcttt 840
gatgaacctg ctttcaaagc aagttttctc atcaaaaatta gaagagagcc aaggcaccta 900
gccatctcca atatgccatt ggtgaaatct gtgactgttg ctgaaggact catagaagac 960
cattttgatg tcactgtgaa gatgagcacc tatctggtgg ccttcatcat ttcagatttt 1020
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1352

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1353

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&lt;211&gt; 2085

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2062)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2065)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2084)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2095

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1354

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&lt;210&gt; 2096

&lt;211&gt; 1781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2096

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<211> 3095

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3049)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3072)

<223> n equals a,t,g, or c

<400> 2097

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1356

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&lt;210&gt; 2098

&lt;211&gt; 1414

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2098

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cagaagaaaa ttgatctagg gaagacaacg tagtcacct cgggtgcttc tctgtctcct 1260
ctttctccct ggcctgtggt tgtccccag cctctgccac cctccacctc ctcggtcagc 1320
ccagcccca ggttgataaa tctattgatt gattgtgata gtaaaaaaaaa aaaaaaaaaa 1380

```

1357

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa

1414

&lt;210&gt; 2099

&lt;211&gt; 2171

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2093)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2099

```

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aacaatctac acccttccct gacagcccag gcttcaactca cacagtgtta cctgccaccc 300
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tctacatcag cccatccccct acttacacaa cactctttcc tgcgagttcc agcacatcag 480
gcctcactga ggaatctacc accttccaca ccagtcceaag cttcacttct acaatttgtgt 540
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gaaaacaatg cgtctgtccc caaggctacg ttggttacca gtgcttgtcc cctctggaat 660
ccttcctgt agaaaccccc gaaaaactca acgccacttt aggtatgaca gtgaaagtga 720
cttacagaaa tttcacagaa aagatgaatg acgcacctc ccaggaatac cagaacttca 780

```



1358

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ygccagctgc gtaatagcra agaggscgcs accgatcgcc cttccaacag ttgcgcagcc 2160
tgaatggcga a                                     2171

```

&lt;210&gt; 2100

&lt;211&gt; 1186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2100

```

gcggacgcgt gggcagcccc ggccggtgcc cttgggtgct cccttccctg cccgacaccc 60
agaccgacct tgaccgcccc cctggcagga gcaggacagg acggccggac gcggccatgg 120
ccgagctccc ggggcccttt ctctgcgggg ccctgctagg cttcctgtgc ctgagtgggc 180
tggccgtgga ggtgaaggta cccacagagc cgctgagcac gcccctgggg aagacagccg 240
agctgacctg cacctacagc acgtcgggtg gagacagctt cgccctggag tggagctttg 300
tgcagcctgg gaaacccatc tctgagtcct atccaatcct gtacttcacc aatggccatc 360
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ttggaacttt tctacacct tctcctggca gcatggttca agatgaggtg tctggccagc 720
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gcctggtcag gttccagaaa gagaggggga agaagcccaa ggagacatat gggggtagtg 960
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ctagcaaggg gttcctggaa agaccctcgt ctgccagcac cgtgacgacc accaagtcca 1080
agctccctat ggtcgtgtga cttctcccga tccctgaggg cggtgagggg gaatatcaat 1140
aattaaagtc tgtgggtacc aaaaaaaaaa aaaaaaaagt cgacgc                                     1186

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1359

&lt;210&gt; 2101

&lt;211&gt; 3109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2101

```

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cattttgatt cctgaaacat ggaagacaaa ggctgactat gtgagaccaa aacttgagac 180
ctacaaaaat gctgatgttc tggttgctga gtctactcct ccaggtaatg atgaacccta 240
cactgagcag atgggcaact gtggagagaa gggtgaaagg atccacctca ctctgattt 300
cattgcagga aaaagtttag ctgaatatgg accacaagg agggcatttg tccatgagt 360
ggctcatcta cgatggggag tatttgacga gtacaataat gatgagaaat tctacttatt 420
caatggaaga atacaagcag taagatgttc agcagggtatt actggtacaa atgtagtaaa 480
gaagtgtcag ggaggcagct gttacaccaa aagatgcaca ttcaataaag twacaggact 540
ctatgaaaaa ggatgtgagt ttgttctcca atcccggcag acggagaagg cttctataat 600
gtttgcacaa catgttgatt ctatagttga attctgtaca gaacaaaacc acaacaaaga 660
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cattgcacga gtatctttgt ttattcctcc acagactccg ccagagacac ctagtcttga 2520
tgaaacgtct gctccttgtc ctaatatcca tatcaacagc accattcctg gcattcacat 2580
tttaaaaatt atgtggaagt ggataggaga actgcagctg tcaatagcct agggctgaat 2640

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## 1360

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ttttgtcaga taaataaaat aaatcattca tccctttttt tgattataaa attttctaaa 2700
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aatgtattcc tgtagggggc gatatactaa atgtatttta gacttcctgt agggggcgat 2820
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atcaataaat ggaagtatgt ttttatttgt tttaaggagc tttgccagtt aaaaacaaca 3000
tgcaattgca gaaatctaac agagttgcta aaagttgggt gatttctttt ggtgaagaaa 3060
agccaatcta aattatttaa atataaaaga catgacttgg tttaaaaaa 3109

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&lt;210&gt; 2102

&lt;211&gt; 1438

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2102

```

acccacgcgt ccgcaactcta gcgggtatct gccaccatg gccctggtgc tgatcctcca 60
gctgctgacc ctctggcctc tgtgtcacac agacatcact ccgtctgtcc cccagcttc 120
ataccaccct aagccatggc tgggagctca gccggtaca gttgtgacct ctgggggtcaa 180
cgtgaccttg agatgccggg caccccaacc cgttggaga tttggacttt tcaagcctgg 240
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ggaggtgact ccagcccaag ggggaagtta ccgtgctgc taccgaaggc cagactgggg 360
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acttccctgg ttgaatgggg acctggagaa cttttctgtc ttacaagagg attgtaaaat 1200
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ctgcttccac gctgtgggag ctttgttctc ttgctctaca caataaatct tgctgtgct 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggsggccg ctctagagga tccctcga 1438

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&lt;210&gt; 2103

&lt;211&gt; 2443

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2103

```

ggagcagctg ctgcagcagg agcagagcag gagacgcgta ccgccgtcgc cgccgcccgg 60
ggatgtggcc ggcgcctgcc tctagccgcg ccgcctcttg agtaccagcc gccgctgcag 120
ccgccgccgc cgmctagccg tgcgggtgcca ggccgcgccc tccccgggcg cccgcgggct 180
cgcatgccga ggggtctccg ggcgtactgc gcgcgccggc ccgcctccgg gctccttcgg 240
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```

1361

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agtgtcagga tacgacagct atggaaatat ctgtgggcag aaaaatacaa agttggaagc 480
aataccaaac agtggcatgg accacaccca gcggaagtat gtattctttt tggatccatg 540
caacctggac ttgataaacc ggaagattaa gtctgtagca ctgtgtgtag cagcgtgtcc 600
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atcaaaagca tttgatagaa aaaaaaaaaa aaagggcggc cgc 2443

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&lt;210&gt; 2104

&lt;211&gt; 2519

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1349)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2519)

&lt;223&gt; n equals a,t,g, or c

1362

&lt;400&gt; 2104

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ggcagagcac  ttcttgGCCa  ggaaacctga  gcggtgagac  tcccagctgc  ctacatcaag  60
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gacaggtacc  tgttgctgca  cccagacttt  ctccgataca  tgaagaacag  gtttctgagg  1620
tctaagacc  tggatggtgc  ccactggagg  atataccgcc  ccaccactgg  ggccctcctg  1680
ctgtcactg  cccttcagct  ctgtgaccag  gtgagtgtt  atggcttcat  cactgagggc  1740
catgagcgct  tttctgatca  ctactatgat  acatcatgga  agcggctgat  cttttacata  1800
aaccatgact  tcaagctgga  gagagaagtc  tggaagcggc  tacacgatga  agggataatc  1860
cggctgtacc  agcgtcctgg  tcccgaact  gccaaagcca  agaactgacc  ggggccaggg  1920
ctgccatggt  ctcttgct  gctccaaggc  acaggataca  gtgggaatct  tgagactctt  1980
tggccatttc  ccatggctca  gactaagctc  caagcccttc  argagtcca  agggaaact  2040
tgaaccatgg  acaagactct  ctcaagatgg  caaatggcta  attgaggttc  tgaagttctt  2100
cagtacattg  ctgtaggctc  tgaggccagg  gatTTTTaat  taaatggggt  gatgggtggc  2160
caataccaca  attcctgctg  aaaaacactc  ttccagtcca  aaagcttctt  gatacagaaa  2220
aaagagcctg  gatTTacaga  aacatataga  tctggtttga  attccagatc  gagtttacag  2280
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gagttatctg  attctagaag  ggtctatact  tgtccttgct  tttaaagctat  ttgacaactc  2400
tacgtgttgt  agaaaactga  taataatata  aatgattgtt  gtccatggaa  agggaaataa  2460
atTTctaca  gtgaagcaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  2519

```

&lt;210&gt; 2105

&lt;211&gt; 1312

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2105

## 1363

```

gctctgcgag cgttattttca aaagaagttg agaaccarag aaaccracct aaggggatty 60
tcccatttgg cccgtcctac cctaaagtma ccacctgctg ctttitytga gcgcttacca 120
gtgaccaaga ggaacagaac acagagcagc ctggcagtgt ccaagcaaca agcctccgct 180
cctccttctt gcaccttggg gctcctgaaa ctcacatggg taaaaaagat acagtaaaga 240
cataaatacc acatttgaca aatggaaaaa aaggagtgtc cagaaaagag tagcagcagt 300
gaggaagagc tgccgagacg ggtatacagg gagctaccct gtgtttctga gacctctgt 360
gacatctcac attttttcca agaagatgat gagacagagg cagagccatt attgttccgt 420
gctgttcttg agtgtcaact atctgggggg gacattccca gtgtatcaga agagcaggaa 480
tcttcagagg gacaagattc aggagacatt tgctcagaag agaatacaat agtttctct 540
tatgttctta aagtctgttt tgagatcgaa gaagattata aaaatcgtca gtttctgggg 600
cctgaaggaa atgtggatgt tgagttgatt gataagagca caaacagata cagcgtttgg 660
ttccccactg ctggctggta tctgtggtea gccacaggcc tcggcttctt ggtaagggat 720
gaggtcacag tgacgattgc gtttggttcc tggagtcagc acctggccct ggacctgcag 780
caccatgaac agtggctggg gggcgggccc ttgtttgatg tctactgcaga gccagaggag 840
gctgtcgccg aaatccacct cccccacttc atctccctcc aagcagggtga ggtggacgtc 900
tcttggtttc tegtgtccca ttttaagaat gaagggtatgg tcttgagca tccagcccg 960
gtggagcctt tctatgctgt cctggaaagc cccagcttct ctctgatggg catcctgctg 1020
cggatcgcca gtgggactcg cctctccatc cccatcactt ccaacacatt gatctattat 1080
caccaccacc ccgaagatat taagttccac ttgtaccttg tccccagcga cgccttgcta 1140
acaaagacac tatttttagag gctgaggata catcagtga caaaagaggc aaaaacatga 1200
caaccaaaga tattacatgg aatgctatag gaaaaatata tgtgcatatg ataagaacta 1260
taacaaataa agaaggttaa gaaaattaaa aaaaaaaaaa aagggcggcc gc 1312

```

&lt;210&gt; 2106

&lt;211&gt; 1871

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2106

```

taatcaaagc tcaggaggag agctgcattc cactgtttca cagatgctgt gagggtgaca 60
aagatgcagg gcaccacttg gaaacacaga cggcactctg cgaaagagga aggggcgcca 120
ggagcttggg tgagcaagggt tggaggtgat tctgccccct tccccaggct ttctgtatta 180
gaaaactgaa gcttcaagaa cagacttgcc taacaacagg aaacttgat gtctcgaagt 240
ggcaattcac acataagggt ccatgactcc tgaactctca caaatattag ttggctcttt 300
tcatggtttt actgaagttg ctagaagttt acagaaaagg aagtgcagga acatttcaca 360
aatctacaat ctgtgagtat cacatcctgt atagctgtaa acactggaat aaggaagggc 420
tgatgacttt cagaagatga aggtaagtag aaaccgttga tgggactgag aaaccagagt 480
taaaacctct ttggagcttc tgaggactca gctggaacca acgggcacag ttggcaacac 540
catcatgaca tcacaacctg ttcccaatga gaccatcata gtgctcccat caaatgtcat 600
caacttctcc caagcagaga aaccggaacc caccaaccag gggcaggata gcctgaagaa 660
acatctacac gcagaaatca aagttatttg gactatccag atcttgtgtg gcatgatggg 720
attgagcttg gggatcattt tggcatctgc ttcttctct ccaaatttta cccaagtgc 780
ttctacactg ttgaactctg cttacccatt cataggaccc ttttttttta tcatctctgg 840
ctctctatca atcgccacag agaaaagggt raccaagctt ttggtgcata gcagcctggg 900
tggaagcatt ctgagtgtct tgtctgccct ggtgggtttc attatcctgt ctgtcaaaca 960
ggccacctta aatcctgcct cactgcagtg tgagttggac aaaaaataa taccaacaag 1020
aagttatgtt tcttactttt atcatgattc actttatacc acggactgct atacagccaa 1080
agccagtctg gctggawctc tctctctgat gctgatttgc actctgctgg aattctgcct 1140
agctgtgtct actgctgtgc tgcgggtggaa acaggcttac tctgacttcc ctgggagtgt 1200
acttttctct cctcacagtt acattggtaa ttctggcatg tctcaaaaa tgactcatga 1260
ctgtggatat gaagaactat tgacttctta agaaaaaagg gagaaatatt aatcagaaa 1320

```

## 1364

```

ttgattctta tgataatatg gaaaagttaa ccattataga aaagcaaagc ttgagtttcc 1380
taaattgtaag cttttaaagt aatgaacatt aaaaaaaacc attatttcac tgtcatttaa 1440
gatattgtgt cattgggggat ctcttgattt gcctgacatt gacttcagca aaagcacggg 1500
gctgtaaatt accatttact agattagcca aatagctctga atttccagaa aacaaggcag 1560
aatgatcatt cccagaaaaca tttcccagaa aatgtttccc agaaaactag acagmatgat 1620
cattcaatgg atcacagtga agcaaaggac acaacttttt attgtacccc ttaattgtca 1680
acaggagtta actgatttgt tgtggtgctc agactttttt atacaggtgc tagtgtttta 1740
tcctatgtat tttaaactcat tagtgcataa aggcaagccc catataatga agtctcaggg 1800
tatatgaaag tagctggcct caaaataaaa tttttgagtg caaaaaaaaa aaaaaataaa 1860
aaaaaaaaaa a                                     1871

```

&lt;210&gt; 2107

&lt;211&gt; 1309

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2107

```

gaattcggca cgagaagata taaaagctcc agaaacgttg actgggacca ctggagacac 60
tgaagaaggc agggggccctt agagtcttgg ttgccaaaca gatttgcaga tcaaggagaa 120
cccaggagtt tcaaagaagc gctagtaagg tctctgagat ccttgcacta gctacatcct 180
cagggttagga ggaagatggc ttccagaagc atgcggctgc tcctattgct gagctgcctg 240
gccaaaacag gagtcctggg tgatatcatc atgagaccca gctgtgctcc tggatgggtt 300
taccacaagt ccaattgcta tggttacttc aggaagctga ggaactggtc tgatgccgag 360
ctcgagtgtc agtccttacgg aaacggagcc cacctggcat ctatcctgag tttaaaggaa 420
gccagcacca tagcagagta cataagtggc tatcagagaa gccagccgat atggattggc 480
ctgcacgacc cacagaagag gcagcagtg gactggattg atggggccat gtatctgtac 540
agatcctggg ctggcaagtc catgggtggg aacaagcact gtgctgagat gagctccaat 600
aacaactttt taacttggag cagcaacgaa tgcaacaagc gccaacactt cctgtgcaag 660
taccgaccat agagcaagaa tcaagattct gctaactcct gcacagcccc gtccctcttc 720
tttctgctag cctggctaaa tctgtctcatt atttcagagg ggaaacctag caaactaaga 780
gtgataaggg ccctactaca ctggcttttt taggcttaga gacagaaact ttagcattgg 840
cccagtagtg gcttctagct ctaaagtgtt gccccgccat ccctttccac agtatccttc 900
ttccctcctc ccctgtctct ggctgtctcg agcagtctag aagagtgcac ctccagccta 960
tgaaacagct ggggtctttgg ccataagaag taaagatttg aagacagaag gaagaaactc 1020
aggagtaagc ttctagaccc cttcagcttc tacacccttc tgccctctct ccattgcctg 1080
cacccacccc cagccactca actcctgctt gtttttcctt tggccatagg aagggtttacc 1140
agtagaatcc ttgctaggtt gatgtgggcc atacattcct ttaataaacc attgtgtaca 1200
taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaactcgagg gggggcccg acccaatcgc ctgatcatga tcgtatata 1309

```

&lt;210&gt; 2108

&lt;211&gt; 943

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1365

&lt;221&gt; misc feature

&lt;222&gt; (866)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2108

```

antccccgggt cgcacsagcg kcacgccgca tcttagccgc cgactcacac aaggcaggtg 60
ggtgaggaaa tccagagttg ccatggagaa aattccagtg tcagcattct tgctccttgt 120
ggccctctcc tacactctgg ccagagatac cacagtcaaa cctggagcca aaaaggacac 180
aaaggactct cgacccaaac tgccccagac cctctccaga ggttgggggtg accaactcat 240
ctggactcag acatatgaag aagctctata taaatccaag acaagcaaca aacccttgat 300
gattattcat cacttggtatg agtgcccaca cagtcaagct ttaaagaaag tgtttgctga 360
aaataaagaa atccagaaat tggcagagca gtttgctctc ctcaatctgg tttatgaaac 420
aactgacaaa cacctttctc ctgatggcca gtatgtcccc aggattatgt ttgttgacct 480
atctctgaca gttagagccg atatcactgg aagatattca aaycgtctct atgcttacga 540
acctgcagat acagctctgt tgcttgacaa catgaagaaa gctctcaagt tgctgaagac 600
tgaattgtaa agaaaaaaaa tctccaagcc cttctgtctg tcaggccttg agacttgaaa 660
ccagaagaag tgtgagaaga ctggctagtg tggaagcata gtgaacacac tgattaggtt 720
atggtttaat gttacaacaa ctatttttta agaaaaacaa gttttagaaa tttggtttca 780
agtgtacatg tgtgaaaaca atattgtata ctaccatagt gagccatgat tttctaaaaa 840
aaaaataaaa tgttttgggg gtgttntaaa aaaaaaaaaa aaaagtgagt gaactaacia 900
aaaaaaagtt ttgcccccaa ggggacgggt tacaattggg ggg 943

```

&lt;210&gt; 2109

&lt;211&gt; 1377

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2109

```

ggcacgagaa aaccttgagg tgattcatct tccaggctct ccttccatca agtctctcct 60
ccctagcgct ctgggtcctt aatggcagca gccgccgcta ccaagatcct tctgtgectc 120
ccgcttctgc tctgtctgtc cggttggtcc cgggtggggc gagccgacct tcaactctct 180
tgctatgaca tcaccgtcat ccctaagttc agacctggac cacggtggtg tgcggttcaa 240
ggccagggtg atgaaaagac ttttcttcac tatgactgtg gcaacaagac agtcacacct 300
gtcagtcctc tggggaagaa actaaatgtc acaacggcct ggaaagcaca gaaccagta 360
ctgagagagg ttgtggacat acttacagag caactgcgtg acattcagct ggagaattac 420
acacccaagg aacccctcac cctgcaggcc aggatgtctt gtgagcagaa agctgaagga 480
cacagcagtg gatccttgga gttcagtttc gatgggcaga tcttctcctc ctttgactca 540
gagaagagaa tgtggacaac ggttcacatc ggagccagaa agatgaaaga aaagtgggag 600
aatgacaagg ttgtggccat gtccttccat tactttctca tgggagactg tataggatgg 660
cttgaggact tcttgatggg catggacagc accctggagc caagtgcagg agcaccactc 720
gccatgtcct caggcacaac ccaactcagg gccacagcca ccacctcat cctttgctgc 780
ctcctcatca tctccccctg cttcatcctc cctggcatct gaggagagtc ctttagagtg 840
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tgacatcatg gacccaatag ctcatcact gccttgattc cttttgcaa caattttacc 1020
agcagttata cctaacatat tatgcaattt tctcttggtg ctacctgatg gaattcctgc 1080
acttaaagtt ctggctgact aaacaagata tatcattttc tttcttctct ttttgtttgg 1140
aaaatcaagt acttctttga atgatgatct ctttcttgca aatgatattg tcagtaaaat 1200
aatcacgtta gacttcagac ctctggggat tctttccgtg tcttgaaaga gaatttttaa 1260
attattttaat aagaaaaaat ttatattaat gattgtttcc tttagtaatt tattgttctg 1320
tactgatatt taaataaaga gttctatttc ccaaaaaaaaa aaaaaaaaaa aaaaaaa 1377

```



## 1366

&lt;210&gt; 2110

&lt;211&gt; 788

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2110

```

gcgcgacccg ccccgctcccg tccagtcttg cctggggcgcc gcgggaacgc tgtcctggct 60
gccgccaccc gaacagcctg tccctggtgcc ccggtccctt gccccgcgcc cagtcatgac 120
cctgcgcccc tcactcctcc cgctccatct gctgctgctg ctgctgctca gtgcggcggt 180
gtgccggggt gaggtggggc tcgaaaccga aagtcccgct cggaccctcc aagtggagac 240
cctggtggag cccccagAAC catgtgccga gcccgctgct tttggagaca cgcttcacat 300
aactacacg ggaagcttgg tagatggacg tattattgac acctccctga ccagagaccc 360
tctggttata gaacttggcc aaaagcaggt gattccaggt ctggagcaga gtcttctcga 420
catgtgtgtg ggagagaagc gaagggcaat cattccttct cacttggcct atggaaaacg 480
gggatttcca ccatctgtcc cagcggatgc agtgggtcag tatgacgtgg agctgattgc 540
actaatccga gccaaactact ggctaaagct ggtgaagggc attttgctc tggtagggat 600
ggccatggtg ccascctcct gggcctcatt gggatcacc tatacagaaa ggccaataga 660
cccaaagtct ccaaaaaagaa gctcaaggaa gagaaacgaa acaagagcaa aaagaaataa 720
taaataataa atttttaaaaa acttaaaaaa aaaaaaaraa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaa

```

&lt;210&gt; 2111

&lt;211&gt; 1019

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2111

```

agggattctt gctccaccct gtgtacctgc tccgagtgtc tttccccctc cccaccccag 60
caggccagtc ctgggccccca gctccagagc actcacgggc tgccaggggtg agcaggctag 120
aaactcacga caccaaggag atccagggtta aaaagtacaa gtgtggcctc atcaagccct 180
gcccagccaa ctactttgctg tttaaaatct gcagtggggc cgccaacgctc gtggggcccta 240
ctatgtgctt tgaagaccgc atgatcatga gtcctgtgaa aaacaatgtg ggcagaggcc 300
taaacatcgc cctggtgaat ggaaccacgg gagctgtgct gggacagaaag gcatttgaca 360
tgtactctgg agatgttatg cacctagtga aattccttaa agaaaattccg gggggtgcac 420
tggtgctggt ggcctcctac gacgatccag ggaccaaact gaacgatgaa agcaggaaac 480
tcttctctga cttggggagt tcctacgcaa aacaactggg cttccgggac agctgggtct 540
tcataggagc caaagacctc aggggtaaaa gccccttga gcagttctta aagaacagcc 600
cagacacaaa caaatacgag ggatggccag agctgctgga gatggagggc tgcattgccc 660
cgaagccatt ttaggggtggc tgtggctctt cctcagccag gggcctgaag aagctcctgc 720
ctgacttagg agtcagagcc cggcaggggc tgaggaggag gagcaggggg tgctgcgtgg 780
aaggtgctgc aggtccttgc acgctgtgtc gcgcctctcc tcctcggaaa cagaaccctc 840
ccacagcaca tcctacccgg aagaccagcc tcagaggggt cttctggaac cagctgtctg 900
tgagagagaat ggggtgcttt cgtcagggac tgctgacggc tggctcctgag gaaggacaaa 960
ctgccagac ttgagcccaa ttaaattttta ttttctgctg ttttgaaaaa aaaaaaaaaa 1019

```

&lt;210&gt; 2112

&lt;211&gt; 975

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1367

&lt;400&gt; 2112

```

tccgggytca gacgtcgct tccacttcaa tccgcggttt gacggctggg acaaggtggt 60
cttcaacacg ttgcaggcgg ggaagtgggg cagcgaggag aggaagagga gcatgccctt 120
caaaaagggt gccgcctttg agctggtctt catagtcttg gctgagcact acaaggtggt 180
ggtaaattgga aatcccttct atgagtacgg gcaccggctt cccctacaga tggtcaccca 240
cctgcaagtg gatggggatc tgcaacttca atcaatcaac ttcacggag gccagccctt 300
ccggccccag ggacccccga tgatgccacc ttaccctggt cccggacatt gccatcaaca 360
gctgaacagc ctgcccacca tgggaaggacc cccaaccttc aaccgcctg tgccatattt 420
cgggaggctg caaggagggc tcacagctcg aagaaccatc atcatcaagg gctatgtgcc 480
tcccacaggc aagagctttg ctatcaactt caaggtgggc tcctcagggg acatagctct 540
gcacattaat ccccgcatgg gcaacggtac cgtggtccgg aacagccttc tgaatggctc 600
gtggggatcc gaggagaaga agatcaccca caaccattt ggtcccggac agttctttga 660
tctgtccatt cgctgtggct tggatcgctt caaggtttac gccaatggcc agcacctctt 720
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tgtcaccttg tcctatgtcc agatctaatac tattcctggg gccataactc atgggaaaac 840
agaattatcc cctaggactc ctttctaagc ccctaataaa atgtctgagg gtgtctcaaa 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaa

```

&lt;210&gt; 2113

&lt;211&gt; 1173

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2113

```

gccccacgct ccgccccacgc gtccgctgga cggcagctat gcgactcacc gtgctgtgtg 60
ctgtgtgcct gctgcctggc agcctggccc tgccgctgcc tcaggaggcg ggaggcatga 120
gtgagctaca gtgggaacag gctcaggact atctcaagag attttatctc tatgactcag 180
aaacaaaaaa tgccaacagt ttagaagcca aactcaagga gatgcaaaaa ttctttggcc 240
tacctataac tggaatgtta aactcccgcg tcatagaaat aatgcagaag cccagatgtg 300
gagtgcacga tgttcagaaa tactcaactat ttccaaatag cccaaaatgg acttccaaaag 360
tggtcaccta caggatcgta tcatatactc gagacttacc gcatattaca gtggatcgat 420
tagtgtcaaa ggcttttaaac atgtggggca aagagatccc cctgcatttc aggaaagtgt 480
tatgggggaa tgctgacatc atgattggct ttgcgcgagg agctcatggg gactcctacc 540
catttgatgg gccaggaaac acgctggctc atgcctttgc gcctgggaca ggtctcggag 600
gagatgctca cttcgatgag gatgaacgct ggacggatgg tagcagtcta gggattaact 660
tcctgtatgc tgcaactcat gaacttggcc attctttggg tatgggacat tcctctgatc 720
ctaattgcagt gatgtatcca acctatggaa atggagatcc ccaaaatttt aaactttccc 780
aggatgatat taaaggcatt cagaaactat atggaaaagag aagtaattca agaaagaaat 840
agaaacttca ggcagaacat ccattcattc attcattgga ttgtatatca ttgttgacaa 900
atcagaattg ataagcactg ttccctccact ccatttagca attatgtcac ccttttttat 960
tgcagttggg ttttgaatgt ctttcaactcc ttttaaggat aaactccttt atggtgtgac 1020
tgtgtcttat tcatctatac ttgcagtggg tagatgtcaa taaatgttac atacacaaat 1080
aaataaaatg tttattccat ggtaaaattt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ata

```

&lt;210&gt; 2114

&lt;211&gt; 1708

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1368

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1109)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2114

```

acttcagttc tcgagagaag aggcggggagt ggacctgggtc agccctaccc cactgacccc 60
accggaccca ggcgcggcct ccgccacagc cacagcccct gccctgctg cggcgcggcg 120
aggcgaggcg atggccaagg tgcgggtgct gaacgtggcg gtccctggaga acccgagccc 180
tttccacagc cccttccggt tcgagatcag cttcgagtgc agtgaagccc tggcggacga 240
cctggagtgg aagatcattt atgttggctc ggctgagagt gaggaatttg atcagatcct 300
agactcggtg ctggtgggcc ctgtgccagc agggagacac atgtttgtct ttcaggccga 360
cgcccccaac ccatccctca tcccagagac tgatgccgtg ggtgtgactg tggctctcat 420
cacctgcacc taccatggac aggagttcat ccgagtgggc tactacgtca acaacgagta 480
cctcaaccct gagctgcgtg agaaccgcc catgaagcca gatttctccc agctccagcg 540
gaacatcttg gcctcgaacc ccggttgac ccgcttccat atcaactggg acaacaacat 600
ggacaggctg gaggccatag agaccagga cccctccctg ggctgcggcc tcccactcaa 660
ctgcactcct atcaagggt tggggctccc tggtgcac cctggcctcc tccctgagaa 720
ctccatggac tgcactaac tgcaggaacc cagagtgtcc cagcacgccg ggaggggcaa 780
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aatgttagtt agtaggtaga cttagatccc atttctgtcc tgcctccagg aagattctta 1260
ggtcctcttc aatccagcag cccctcccag aggtgtgatc agcaggatgc tgaggaacca 1320
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tcctggaggc tgccatggtt ggaagatggt atcagagggc ctgcctgggc agtctgtctc 1440
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ccccctctct gtgccctggt ccccttgcct ccatgtggat gctgttgtga ttgctgtttg 1620
tatattatca aaatgttttt atattaaaaa tgtttggtct gaaaattaaa agcacttcat 1680
ttagaaaaaa aaaaaaaaaa aaaaaaaaaa 1708

```

&lt;210&gt; 2115

&lt;211&gt; 1877

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2115

```

cctgaaggga gagcagggag agagaggaca gtggccagag agggctctgg gcactggagg 60
gacgctcttc ttctgcccc ggggtccctg ggccgatggg atcacgcaga agaatgcgag 120
agaagcagcc tttgagaagg gaagtcaacta tcccagagcc cagactgagc ggatggagtt 180
gaggaagtac ggccctggaa gactggcggg gacagttata ggaggagctg ctcagagtaa 240
atcacagact aaatcagact caatcacaaa agagtccctg ccaggccttt acacagcccc 300
ttcctccccg ttcccgccct cacaggtagg tgaccaccaa gtgctaaatg acgccgaggt 360
tgccgcccct ctggagaact tcagctcttc ctatgactat ggagaaaacg agagtgamtc 420
gtgctgtacc tccccgccct gccacagga cttcagcctg aacttcgacc gggccttcct 480
gccagccctc wacagcctcc tctttctgct ggggctgctg ggcaacggcg cgggtggcagc 540

```

1369

```

cgtgctgctg agccggcgga cagccctgag cagcaccgac accttcctgc tccacctagc 600
tgtagcagac acrcctgctgg tgcctgacact gccgctctgg gcagtggacg ctgccgtcca 660
gtgggtcttt ggctctggcc tctgcaaagt ggcagggtgc ctcttcaaca tcaacttcta 720
cgcaggagcc ctctgctgg cctgcatcag ctttgaccgc tacctgaaca tagttcatgc 780
caccagctc taccgccggg ggcccccgcc ccgcgtgacc ctcacctgcc tggctgtctg 840
ggggtctctg ctgcttttctg cctccccaga cttcatcttc ctgtcggccc accacgacga 900
gcgcctcaac gccacccact gccaatataa cttcccacag gtggggccgca cggctctgctg 960
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ccacatcctg gccgtgctgc tggtttccag gggccagcgg cgcttgcggg ccattgcggct 1080
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atctgtctt ttatttttat gtctaaaatc ctgcttaaaa cttttcaata aacaagatcg 1860
tcaggaaaaa aaaaaaa 1877

```

&lt;210&gt; 2116

&lt;211&gt; 828

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (787)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (819)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (827)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2116

```

ggcacgagag atggcggcgc aacagcggga ctgcgggggt gctgcgcagc tggcggggcc 60
ggcggcggag gctgaccccc taggacgctt cacgtgtccc gtgtgcttag aggtgtacga 120
gaagccggtg caggtgccct gcggacacgt cttttgctct gcatgcctgc aggaatgtct 180
gaagccgaag aagcctgtct gtgggggtgt tcgcagcgct ctggcacctg gcgtccgagc 240
cgtggagctc gagcggcaga tcgagagcac agagacttct tgccatggct gccgtaagaa 300
tttcttctg tccaagatcc ggtccacgct ggctacttgt tccaaatacc agaattacat 360

```

## 1370

```

catggaaggt gtgaaggcca ccattaagga tgcattctctt cagccaagga atgttccaaa 420
ccgttacacc ttctcttggt cttactgtcc tgagaagaac tttgatcagg aaggacttgt 480
ggaacactgc aaattattcc atagcacgga taccaaattct gtggtttgtc cgatatgtgc 540
ctcgatgccc tggggagacc ccaactaccg cagcgccaac ttcagagagc acatccagcg 600
ccggcaccgg ttttcttatg acacttttgt ggattatgat gttgatgaag aggacatgat 660
gaatcagggt ttgcagcgct ccatcatcga ccagtgcgca gagtccgtgc ttgctatctg 720
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgaaaa aaaaaaagg 780
gggggggnccc ggttacccca atttcggccc tattaggtna agtcgtna 828

```

<210> 2117

<211> 2520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2520)

<223> n equals a,t,g, or c

<400> 2117

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ggcacgagca cttcctggcc aggaaacctg agcggtgaga ctcccagctg cctacatcaa 60
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gtggagatgc aggcacctga gccaaggcgt ccagtgggtc ttgcttctgg ctgtcctggg 180
cttcttttctc ttgccttggt cctcttttat taaggagcct caaacaagc cttccaggca 240
tcaacgcaca gagaacatta aagaaagggt tctacagtcc ctggcaaagc ctaagtccca 300
ggcacccaca agggcaagga ggacaacat ctatgcagag ccagtgccag agaacaatgc 360
cctcaacaca caaaccagc ccaaggccca caccaccgga gacagaggaa aggaggccaa 420
ccaggcaccg ccggaggagc aggacaagggt gcccacaca gcacagaggg cagcatggaa 480
gagcccagaa aaagagaaaa ccatggtgaa cacactgtca cccagagggc aagatgcagg 540
gatggcctct ggcaggacag aggcacaatc atggaagagc caggacaca agacgacca 600
aggaaatggg ggccagacca ggaagctgac ggctccagg acggtgtcag agaagcacca 660
gggcaaagcg gcaaccacag ccaagacgct cattcccaa agtcagcaca gaatgctggc 720
tcccacagga gcagtgtcaa caaggacgag acagaaagga gtgaccacag cagtcatccc 780
acctaaggag aagaaacctc aggccacccc acccctgcc ctttccaga gcccacgac 840
gcagagaaac caaagactga aggcgcgcaa cttcaaattc gagcctcggg gggattttga 900
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caaagcctcc aagtcgtgtt ggctccagaa actctttctg cccaacctca ctctcttct 1020
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aaacatgac ttcaagctgg agagagaagt ctggaagcgg ctacacgatg aagggataat 1860

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## 1371

ccggctgtac cagcgtcctg gtcccggaac tgccaaagcc aagaactgac cggggccagg 1920  
gctgccatgg tctccttgcc tgctccaagg cacaggatac agtgggaatc ttgagactct 1980  
ttggccatth cccatggctc agactaagct ccaagccctt caggagttcc aagggaacac 2040  
ttgaaccatg gacaagactc tctcaagatg gcaaattggct aattgaggtt ctgaagttct 2100  
tcagtacatt gctgtaggtc ctgaggccag ggatttttaa ttaaatgggg tgatgggtgg 2160  
ccaataccac aattcctgct gaaaaacact cttccagtcc aaaagcttct tgatacagaa 2220  
aaaagagcct ggatttacag aaacatatag atctggtttg aattccagat cgagtttaca 2280  
gttgtgaaat cttgaaggta ttacttaact tcactacaga ttgtctagaa gacctttcta 2340  
ggagttatct gattctagaa ggggtctatac ttgtccttgt ctttaagcta ttgacaact 2400  
ctacgtgttg tagaaaactg ataataatac aaatgattgt tgtccatgga aaggcaaata 2460  
aattttctac agtgaagatg caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2520

<210> 2118

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (602)

<223> n equals a,t,g, or c

1372

<220>  
<221> misc feature  
<222> (627)  
<223> n equals a,t,g, or c

<400> 2118  
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gttggtagcg ctgcaggtac cggtcggaa ttcccgggtc gacccacgcg tccgattttc 120  
ttcagacaaa actgctcttg tgcaatattt tatgctcagt gagcaaattg tgtatttatg 180  
tttatcaatt tgttctcaag gtggctgtct acagacattt gaccaagaca tacatctgat 240  
ttaccttgtg tttttttttt attggtgttt ttttttaaga cagagattca gtctgtcacc 300  
caggctggag tgctgtgggtg tgatcttagc tcaactgcaac ctccgcctcc caggttcaag 360  
caatttttct gcctcagcct cccgagtacc tgggactata tgtgcgcacc accacgcctg 420  
gctaattttt tgtattttta gtagagatgg ggtttcacca tgttggctgg gctgggtctcg 480  
aactcctaac ctcaagtgat ccacccgcct cagcctccca aagtgtctggg attacagggtg 540  
tgagccactg caccacgcct accttggctg tttgngtctg ggagggtttt ttttttctat 600  
tnttattttt tcatgaaaat tattggnggg ccactgaaag tccccacaca caaaagcctt 660  
tattctatat aatttataaa cacaattca tg 692

<210> 2119  
<211> 474  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>

## 1373

<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (444)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<400> 2119  
gggcatggtn gtgcatgcct gtaattccag ctactcggga ggctgaggca ggagaattgc 60  
ttgaacccgg gagacggagg ttgcagtgac ccgagatcat gccagtgcac tccagcctgg 120  
gtgacagagt gagactctgt ctcaaaaaaa taaaaaataa ataataaata ataataataa 180  
taaaataaaaa ataactgcaa caagccccta gattgacttg aagcctctgt ctgaactgct 240  
ggcgggatcc ccancctccc ccatgtgcct gttcatggca tgcagaggtc agncccttgc 300  
ttcaagcctc ggaccagagt gggccatctc ggtagcata ngacacaang acagaagcat 360  
tgnccctcaag tttntcgaga catgtttgcc cctggaagcg gtgatttttg ccatcattgc 420  
tgnaagactt gtcatcgggg cagnatctta ncatcangca tttgctgtcg cggn 474

<210> 2120  
<211> 204  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature



1374

<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (201)

## 1375

<223> n equals a,t,g, or c

<400> 2120

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tataccacaa atgcagccng gnggagtaca agctcctgnt atacaacagg tgctggctcc 60
nnttcctgga gggatttcac cacagacagg tggcatcatc cagnctnagn aaatctaatt 120
tacaggaaat aaagactcaa gatataccta cgacagtggc agnacctaca ccagnccaaa 180
gcacagataa ctgcaactgg ncag                                     204
```

<210> 2121

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 2121

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aattcggcag agttgtgggc cgaagaatat gctcatgtgg tggtgaggaa agcagacatt 60
gacctacca agagggcggg agaactcact gaggatgagg tggaacgtgt gatcaccatt 120
atgcagaatc cagccatac aagatcccag actgggttctt gaacagacag aaggatgtaa 180
aggatggaaa atacagccag ccttcgtgtc cgaggccagc acaccaagac cactggccgc 240
cgtggccgca ccgtgggttt gtccaagagg aattaagttt ttaggccttg tctgttaata 300
aatagtttat atacctnaaa aaaaaaaaaa aaatttnggg gggggncccc gtaccattt 360
gcccttn                                     367
```

<210> 2122

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

1376

<220>  
 <221> misc feature  
 <222> (234)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (240)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (241)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (242)  
 <223> n equals a,t,g, or c

<400> 2122  
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 ggaccgcgtg cagcacctgg gtgcccctgt cacccttcgc gcctcttatc tggagatcta 120  
 caatgagcag gtctcagccg tcgaaggaac tcagcccaca ccctgaacca ggctccagc 180  
 cgaagccatg ccctgctcac cctttacatc agctccaaaa aaaaaaatna attntttatn 240  
 nnc 243

<210> 2123  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (260)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (293)  
 <223> n equals a,t,g, or c

<400> 2123  
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 agttctacag ttgtagaatc tcaagagggg ctttctggca ctcatgtccc agagtcttct 120

1377

gattgttgtg aaggttttat taatactttt tcaagcaatg atatggatgg gcaagactta 180  
gattacttta atattgatga acgcgcaaaa atggcccact aattagtgat gctgaacttg 240  
atgcctttct gacagaacan tatcttcnga ccactaacat aaatcttttg aanaaaatgt 300  
taaatacttc taaatcg 317

&lt;210&gt; 2124

&lt;211&gt; 305

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (116)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (160)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1378

<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<400> 2124  
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ggaattcccg ggtcgaccca cgcgtccgca ccgggcactt ccaccaacgg caaagnccctg 120  
gctgccactg caccactcc tggcatcccc atcctgcagn ctgnaccctc cgccccaccc 180  
cccaaagccc agncagtttc tcccgtgcag gccccgcccc cgggtggtc annccagctg 240  
ctgcctggga aggtcctant gcctctggcc gnccctagca tgtcagtgcg gggngggaggg 300  
gccgg 305

<210> 2125  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

1379

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<400> 2125  
gggcaactat tatctcaagt tcagtgtggt gagtgacaag aatcatatgc actttggggc 60  
tatcactngn gccatgggta ttcgcttcaa gtcttactgc tccaaccttg ttcgcacttt 120  
gatggttgat ccttctcaag aagttcagga aaattataac ttntgctcc agcttcaaga 180  
ggagctgctg aaggaattaa gacatggtga gaagatatgt gacgngtata acgctgncat 240  
ggacgtgggt aaaaagnaga agccagaact gntgaacana aattaccnaa aacctagggt 300  
tagggatggg aattgaatcc cgtgaaggct 330

<210> 2126  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

## 1380

<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<400> 2126  
ggcacgagct cgtgccgaat tcggcacgag cccaaacgga gccacgtgag gacgtctttg 60  
gggatgtgtc tccaagaaaa gtgtgggctg ccttcctcac cctggatgcc tgtgggctgc 120  
cttcctcacc ntggatgcct gtgggctgcc ttctcacc tggtatgcctg tgggcagcct 180  
tcctcaccct ggatgcctgt gggctgcctt ctaccctgg atgnctgtgg gctgccttcc 240  
tcaacctgga tgctgtgggc agctttctca acctggatgc tgtgggctgc ttntcaacc 300  
tggntgactg tgggcannct ttcntaacct gga 333

<210> 2127  
<211> 264  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

1381

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<400> 2127  
gttgaggacc cgctgcggag ctgctgcctg gtggccgcgg acgcccagga gcccgagggc 60  
gcgggcagcg actcggggga cagcccggcc agcagctgca gcagtagcga ggactcagag 120  
cagcggggag tcggcgccgg gggtcccgag gagggcgcg cccctgccac ctcgggccgag 180  
aggactaatg ggggtgcgga ccncgcctgg gcttttctga cattcactnc aactctcgca 240  
acacgttcca ggntgagccg cngn 264

<210> 2128  
<211> 667  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c



1382

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (522)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (553)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (584)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (613)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (624)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (631)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (666)  
<223> n equals a,t,g, or c

<400> 2128  
gcaaataattc attatttggt ctactggaaa taaaaatact aattcaatgg atttgagttt 60  
atgtaataat ttacagagtt tttcaatgtg ttttttcaga atggacatgt aaaatttagt 120  
tacattccag ggaattttca ggtgaaaatt agtagatagt taacatgaaa attttatatg 180  
aattcatatt ttttcttgga caatatgcta atatttattg atttcacaaa tttacagcat 240  
atgggtgatt ttggaagcat tcatagaccc ggaattgttg ttgactatca aaacaaatcc 300  
accaatgtna cagttgctgc tgcaagagga ataaanagaa aaatgatgca gccatttaaat 360  
aagcccagtg gaacctttat caagaaccca aactagcaaa acctatggag aanataagcc 420  
tcagcaaatc accacaaaaa ctgatcctaa aaattgaana agaaaaaaaaa cggcaattga 480  
ggtccgcaaa aaaaacaaag gccccaaaaa aaaaaacgng anaattcgga aatggatccg 540

1383

aatggcttta atnttctttt gtaatttcaa ctttaaaaaa aaanttgtact gctcggaaat 600  
tctcctccga acnttgatct ttcnaaacac ntattgaaaa tttttggatt tgcctatatt 660  
tggaana 667

<210> 2129

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1384

<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<400> 2129  
tngaatagtn aacataacat ttacggtctt tatgattnaa nagtagtgtg ctagtntaca 60  
atcatagaaa gcattattac agttttaaca aaaaagcagt gaaagccttt ttgagatctt 120  
tnntatctga ttggaatagc aagtattttt tgttttgatt ncatttttat acatactttt 180  
atgataataa ctttaagcat tatctcagat taccttacgg aaaagtgtgg aatcagcatt 240  
aagacagtta gaaagagaaa aggcgcttct tcagcacaaa aatgcagaat atcagaggaa 300  
agctgatcat gaagcagaca nnaaacgaan tttggaaaat gatggtttgn ggtgnagaat 360  
attaaatact catcaagaaa aaaa 384

<210> 2130  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

1385

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<400> 2130  
gcgtcagtct cagcttgctc aggatgagcg tgtgtcccg ctttacctcg ccctggccac 60  
cgaaaccgtg gacatgttcc acatcctccc ccaaagcaat gtgagtecca gagcccgtt 120  
ttgctcgatg aaagtctgga gtctctgaag cgaatccatg aagtgcagga agagatgaag 180  
aacaagaac agtgggacca gttgccccgg gatcagcagc aggctcgtea gtctcagctt 240  
gctcaggatg agccgtgtgt ccgctcttac ctngcctgcc accgaaaccg tggacatgtt 300  
ccacatcttc cccaaagcaa tgtgagtccc anagcccgtt tttggtcttt cccacaattn 360  
cattactaag aaacacatca aataaactga ctttttttnc cccaaaaaaa aaann 415

<210> 2131  
<211> 499  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>

1386

<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (448)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (476)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (481)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1387

&lt;222&gt; (498)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2131

```
cggcacgagc atggatgtca tcagcattga caagacggga gagaatttcc gtctgatcta 60
tgacaccaag ggtcgctttg ctgtacatcg tattacacct gaggaggcca agtacaagtt 120
gtgcaaagtg agaaagatct ttntgggcac aaaaggaatc cctcatctgg tgactcatga 180
tgcccgacac atccgctacc ccgatcccct catcaagggtg aatgatacca ttcagattga 240
tttagagact ggcaagatta ctgatttcac caagtccgac actggtaacc tgtgtatggg 300
gacttgaggg tgctaacctt gggaggattt ggtgttggtt ccaccagggg gnggcaccct 360
gggtntttta cnggggttca gggnaaanat gccattggaa cagtttttnc ctgggntttt 420
caaatttttt tttttggaag ggaacaanct ggnntttttt ccggggaagg gtttcngctt 480
nccttttttn gggggggggn                                     499
```

&lt;210&gt; 2132

&lt;211&gt; 297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1388

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (292)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2132

```
nangnacgct gtgtaaataa natgcttttg gggctcccct ggccacagaa ggagaaaact 60
ggagccttct aatttcctgt tgtttacttt ccaaaggctg gagttgggta ggaaacctgn 120
gcataccggc aactggctt gtgggtgaac ttctctccct gctgtatttc ccggacaggt 180
gaggcggacc ctgttcatca caggactccc cagagatgcc aggaaggaga ctntggagag 240
ccacttccgg gacgcgtatc ccacgtgtaa ggtggttgat gtncagttgt gntacaa 297
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&lt;210&gt; 2133

&lt;211&gt; 575

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (511)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (527)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1389

<221> misc feature  
 <222> (539)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (544)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (573)  
 <223> n equals a,t,g, or c

<400> 2133  
 ggccgtgaga ttencaggag tttccacttg gtgatcagca ctgaacacag accaccaacc 60  
 atggagtttg ggcctagctg ggttttcctt gttgctattt taaaagggtgt ccactgtgag 120  
 gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcgggtccct gagactctcc 180  
 tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccaggctcca 240  
 gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcattggtgg gacaacagaa 300  
 tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360  
 nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420  
 gactacaggc acacccctgg ctactggggg cagggaaccc tggtcaccgn cttctctggc 480  
 ttccaccaag ggccatcgtc ttccccctgg ngcccttggt ccaggancac ttccgaaanc 540  
 cagnggcctg ggcttgctgg gcaagggtc ttncc 575

<210> 2134  
 <211> 557  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (52)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (521)  
 <223> n equals a,t,g, or c

<400> 2134  
 ggcgtcaacc ctactaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60  
 gaactagtgg atcccccggg ctgcaggaat tcggcagcag ggagttttca gatcaaaaac 120  
 tggttaccat tttttgtcag agtgtctgat gcggccactc attcggctcc ccagaattcc 180  
 tagactgggt taatagggtc atattgtgaa tgtctcacta caaaatgact tgagtccagt 240  
 gaaatctcat tagggtttaa gaatatttca gggatcctta atgttttgat ttttgttttc 300  
 tgaaattgga ttttatttta ttttatctta taatttcagt tcatctaaat tgttgtttct 360  
 gtacatgtga tgtttgactg taccattgac tgttatggaa gttcagcgtt gtatgtctct 420  
 ctctacactg tgggtgcactt aacttggtgga atttttatac taaaaatgta ggataaagac 480  
 tattttgaag gtttgaataa agtgatgaag ttgcattaca nctcactgca aggattcttt 540



1390

acttagcttg tttttag

557

&lt;210&gt; 2135

&lt;211&gt; 552

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

## 1391

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2135

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ncaannnnga cacnaaccct cactaaaggg aacaaaagct ggagctccac ctgcggtgcg 60
nccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagg aggagcccca 120
gtcatgctca gcacgctaca gatgtgttgt ttgtcacact gagattgctg aatgtcgtgg 180
ctgttggtcg ccgagcctca gctgctggca tttccttctg ctgtttgctg cttttgtgcc 240
tccccactt tccatcacct ctggagtccc gtctggacgt cccttcctgc tacaggaata 300
atgaggcgtg ggctgcctcc cgctaggcct cctgctccct ntaggtagtt tctngctgag 360
gcttgctaatt tggggatgct tcttagagca tcttcacat caactcccct ggctgctggc 420
taccgattaa attcattagt gtgaaagagg tgggagttag gttttctggn ctgaagcagt 480
ctgcactgaa aggtacccaa gtggcctgaa acagtgtagg gaaagacctg ggaaacactg 540
gaccaaaaaa gc 552

```

&lt;210&gt; 2136

&lt;211&gt; 618

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2136

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aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgncggccg ctctagaact 60
agtggatccc ccgggctgca ggnattcggc acgagcggcg gcggncggcc cgctccagcc 120
atgccgaata aaaacaagaa ggagaaagaa tcaccaaag cagggaagag tggaaaaagt 180
tcaaaagaag gacaagacac agtagaatca gagtgtact gtctaagagc tggagctaca 240
gagcttgaaa ttaccactga aaacactgaa atgttgggcc cttcactgct tcctcataag 300
gataccagag gcaacctggc atattaagct tgacacttgg cagatcactg tgtaaattgt 360
ttttcaggaa tacaagttgg gacacttctg ttcatctgac ctttgagttg acccttaaatt 420
tttattattg ttttttttcc cctcagtcct cagctcactg cttcacttct agttccaccc 480
acttaccaaa tatgattgac tcatgcaggt gaattaaacc attattgcac actttttccc 540
tctcctctct ctcagtatta ctcttaactt gaatatttta acctgaacaa tttaaatagg 600
cttgacattc ccatgctg 618

```

## 1392

<210> 2137  
<211> 522  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<400> 2137  
anantaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtgcn gnccgctcta 60  
gaactagtgg atcccccggg ctgcaggaat tcggcacgag gaggaatcgt gtgtctgctg 120  
ttgatgaact tgcaatggct acagaacgac taagagtgcg tgatcctagg gagccaaagc 180  
ctaataccgcc tgttcttcat atcattgaac cacatgaggt agaacaaaac cgaataaaac 240  
tactaaatga taaagctggt gctacatcac agcttcagaa aaaacttggg cagcttcttt 300  
acctaactaa tttggagaag tctcaagata aaacatcggg aggtgttaat ccagaacctt 360  
gccaatctg tgctcgacag ctaggaaaac agtgggcggg actgacctgt ggctactggt 420  
tctgtaatga atgcatcttct ataattattg aacaatacag cgtgggatct cacagaagct 480  
ccattaagtg tgcaatctgc cgccagacca catctcaca ag 522

<210> 2138  
<211> 508  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

## 1393

&lt;400&gt; 2138

```

tganacnaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg acggccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agctacaact ggagaatcca 120
tccatcaggt gactgagttc ctccaaaggg gacactacta atgtgtctca gacactaact 180
aaggtgagaa ggaatgcact gttgaggggg cagcacatcc ttaagaagct caatggtggc 240
tgtcccctgc aggctggaat aatgctaggg atgttttata gaactggatc cccagtagt 300
gagtaaaatg atagagtcc agaataacag gggccaagtgc gcagcattta actgtgagga 360
caagataaag taatttccgt aaggggcac aacgttagag tgacaactgg gaggcctgac 420
ctgtaggtgt ccatgaagat ggctcttagg acatgctgtt cctctaggca agacacatat 480
tgcttttagac atataatcaa aagaggat 508

```

&lt;210&gt; 2139

&lt;211&gt; 546

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2139

```

ccctcactaa nggaacaaaag nctngngctc caccgcggtg ncggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agcggtttta ttttcaataa tgaacagctg 120
gctcagatga atgaacagct ggctcaggtg aatgaactaa agaaaatgac ccttcaaact 180
ggctttgaac aaggtgacag agaaaatgta ctgtgtaata aaaaggagaa aagaataaca 240
aatgagcaag aggaaacata ctctttatcc caaagttcag gtaaatttca ccaggagagt 300
aaatttgata agggtcagaa ttccctaact tgtaataaaa gtaaagcttc tagacagaca 360
tttgtgattc acaaattaga aaaagataac ttactcccaa accaaaagga taaagtaacc 420
atztatgaaa acctagacgt cacaaatgaa ttacacacag ccaatctttc caccaaagat 480
atggaaaattt atgtgattat gggacccaca atatattgga tttgaaaagt atgtcactga 540

```

## 1394

tattca

546

&lt;210&gt; 2140

&lt;211&gt; 537

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2140

```
gnacaccctc actaaagggg acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtggat cccccgggct gcaggaattc ggcacgaggg agattgatga tgactttttc 120
ccaagttctg gggaagaagc tgaagctgct tctgtaggag aaggaggagg aggaggtcgg 180
aaagtgggaa gataccgaga tgatggagat gaagattatt ataagcagcg gttaaggctcg 240
gtctgtgggg attataaata cattgtactg tttgctttat cttagggtgac aggtttatta 300
atatgtaagc attctagatc cagcttaata tattagacct ccccgattat acagagggttg 360
gattttctgca gccttaacct gctagaagca gtggggcccc tgagtcctta atgatgctgg 420
ccccaatgc atgtacttct aggtcttttag ttggatttgg aggcaagtct aagatgaaaa 480
acttaagggg aggctggggc aagaggcata cagagggctg agtgtgagct gtgtcgc 537
```

&lt;210&gt; 2141

&lt;211&gt; 480

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2141

```
tcaaccctca ttaaaggggc caaaagctgg ngctccaccg cgggtggcggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgagatg atattgagac ctctgtcatt 120
taatattggg acaaaattgt atttctaact cacaacaaac agaaaaacta cattagatgt 180
actatcactt tagatttgaa aacaattctt taaaactttt acaagaaaat caaaataaga 240
ctctactgcc tttaatttga ggaagcacat gtcattaagg aaaagactga tgagttcaca 300
tttgctgata aaaataatat aatctgtcca tcctaagtta ggtgtccaac aaatagttac 360
atgtctatcc tctcaccttt catgtcctcc aacacttctc tttaaagagt ggcatagata 420
acatcatgaa agaatgagga aactccagtg caccaaaaaa ttatagagtt tataaatatc 480
```

&lt;210&gt; 2142

&lt;211&gt; 500

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

1395

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2142

```

ggnganmtca acctcactaa aggggaacaaa agctggagct ccaccgcggt ngcgggccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gaggtctgat ttcttcacac 120
ttgtaaacia ttgtattata tatgcatact gtatatatttg tagttataag aagaaaaata 180
ccagaattta aaatgcagtc acaatgtgtt atgttttcag atgacttacg tatgtttttg 240
ttcatcagta ttttaaaaaa taatcacctg tttgtgaaaa taatggtttt gaaaacagca 300
ttatgatgag aggggaacttc gtaatttcat gagaatgtag atggtgactg ttttaagtggg 360
agctcacata ggcattaaca tcaccctcct tttgcacagt ccttttaagt ctctgtttaa 420
acatctttta ttgtgtgtat tttaaaggcac acagatgctt tttcctgtat tcattttaca 480
aatttaccta catattcagc                                     500

```

&lt;210&gt; 2143

&lt;211&gt; 433

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2143

```

gangtcnanc ctactaaaag ggaacaaaaag ctggagctcc accgcggtgg cggccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga gcttttggct tctagttagat 120

```

## 1396

```
tacttttttt ttccctgcaa atttgggttt tgattacttg agcatagtga tcaaaaaaga 180
tcactgggca tccatatacc gtttcattaa tgattaatgg actacaatat tgacttgtct 240
catgttatca aagttataat ctgctttata tagcaagttc actttgcttt aaacagcttt 300
taatttatat tattgttctt gaaaagggtga gtaaataatgc aaattgaata attttaaaat 360
ccaagggcag gttttgtaag aaacttagag ggcagagagg aatttttgta aaggggaaaa 420
attattttat ttt 433
```

<210> 2144

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 2144

```
gaaaaatcac aagccttctg tacttttagg ctttgatatg tctgaactta aaaatgtgaa 60
acatagattg aactttgaat atgaaccata aaacttgcaa aaaaaaaaaa aangnacntt 120
taangtagn 129
```

<210> 2145

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

1397

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c



1398

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<400> 2145  
cgggcccgag atgtctcgct cntttncent agctntgctc gcgctactct ctctttcttg 60  
cctgtaggct atccagcgta ctccaaagat tcagggtttac tcacgtcatc cagcagagaa 120  
tggaagtgca aatttcctga attgctatgt gtctgggttt catccatccg acattgaagt 180  
tgacttactg aagaatggag agagaattga aaaagtggag cattcagact tgtctttcag 240  
caaggactgg ctttctatct cttgnactac actgaattca cccccactga aaaagatgag 300  
tatgcctgcc gngngaacca tgtgactttg tcacagccca agatagntaa gtggggancga 360  
gacatgnaag cagcatcatg gaggtttgaa natgcccgca attnggaatg gatgaattcc 420  
aaa 423

<210> 2146  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (371)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>

1399

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2146

```
gccacagtct aaggtgctgt acattacctc aaatccgatg agtctctgtc aagcaagcag 60
acatcagcca aatgtgaatg atctcttggt tcatggaatg cctctacagc caagaaatct 120
ctccctaatt gacaagctcc tagatcttga tgacaagcta cttatgaggc ctgggtccag 180
taccatcctt tcaactcgaa attggccaaa tcgagctgtg gagtttagta catcatctct 240
gtcatacaca gtgcagtcca ccaggagacg caatccacca ccacgaactc ttcatccgat 300
cagcagcanc cattcatgtg ctgaaacacc aggatctgtg gaagaaattc tcagaggagc 360
ccgagtccca ntggcacccg actcgctctc cttctccctc accgacgcc ctaggttgaa 420
attaatctgc taccacctat tgggcacagc tgaagtgnaa acatgtgatc actgtgnggg 480
tcacagagac aagatgaatc cccaatggan actntantc 519
```

&lt;210&gt; 2147

&lt;211&gt; 499

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (218)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (317)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (328)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (337)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 1400

<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (443)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1401

&lt;222&gt; (484)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2147

```

aattcggcac gagcattgag gtgcggaatt acagcagatt gaaacctggg taccgatggg 60
aacggcagct ggtgttcagg agtaagctga ctatgcacac agcctttaat cgaaaggaca 120
atgcacaccc agctgagggtc actgccttgg gcatctccaa ggatcacagt aggatcctcg 180
ttggtgacag tcgaggccga gttttcagct ggtctgtgag tgaccagcca ggccgttctg 240
ctgctgatca ctgggtgaag gatgaagggtg gtgacagctg ctcaggctgc tcggtgaggt 300
tttcactcac agnaagncca caccattcca ggaactntgg gtcagctctt ctgccagaag 360
tncatcgctt tnaatctgaa tnaaacgttt gaaatttcat cccggtgngt gtttgtcaga 420
cttgttattn tanttccagc ttngggnggt nagaggttgg cncgaatttt gagntcacca 480
gttngtgggc ctggttgcc                                     499

```

&lt;210&gt; 2148

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2148

```

gatgaattga gtgaagctct cctacttata aaggctcaaa aagaacaaaa aaatggagac 60
ctttcctttt tagtgaaagt agatagttaa attaataaag atctagaacg ctctatgaga 120
gagctgcaag caactcatgc agaaacgggtg caagagctgg aaaagacaag aaacatgcta 180
attatgcaac acaaaattaa taaagattat cagatggagg ttgaggcagt gacccgtaag 240
atggaaaatt tgcagcaaga ttatgaactc aaagtgggaac agtatgttca tcttcttgat 300
atcagggtg cagtatcca taaactagaa gaagctgtaa gtttggggag catataagtg 360
ttcttcagct gttggagttt tgcataattc ccatanccaa aattttcaca gaaaagcaag 420
gcagatattc acgttggtga tatttggttg gcctctgtat ataacggtga a 471

```

&lt;210&gt; 2149

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 1402

<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)

## 1403

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (326)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<400> 2149

```

ggaacggggn ggaantgtga acctcttaaa gttgggtcccc tgcngtacc ggtccggaat 60
tcccgggtcg acncacgcgt ccgtncaaga tgggtgccacc ggtgcaggtc tctcngctca 120
tcaagctcgg ccgatactnc gncctgttnc tcnatagtgg cctacgganc cacgcgctac 180
aattacctaa aacctngggc agaagangag aggaggatag cancagaaga gaaagaanaa 240
agcangatga actgaaacgg attgccagaa aaatggcaag aaagatgcag cattattaaa 300
agtgaagttg aannatgnng aaccanttct tttggaacca ancat 345

```

<210> 2150

1404

<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<400> 2150  
agtcgctctc ctagecccttc tntgtgcctc agcctctggc aatgccattc aggccaggtc 60  
ttcctcctat agtggagagt atggagggtg tgggtggaaag cnattctntc attctggcaa 120  
ccagttggac ggccccatca ccgccctccg ggtccgagtc aacacatact acatcgtagg 180  
tcttcagggtg cgctatggca aggtgtggag cgactatgtg ggtgggtcgca acggagacct 240  
ggaggagatc tttctgcanc ctggggaatc agtgatccag gtttctgggn agtacaagtg 300  
gtacctgaag gaagctggta ttttntgaca gacaagggcc gtatct 346

<210> 2151  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

## 1405

<220>  
 <221> misc feature  
 <222> (203)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (221)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (223)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (251)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (258)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (298)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<400> 2151  
 gcagggggct gctttgcac tgaaactgtc agccccagaa tgttgacagt cgctctccta 60  
 gcccttctct gtgcctcagc ctctggcaat gccattcagg ccaggtcttc ctctatatagt 120  
 ggagagtatg gangtggtgg tggaaacgat tctctcattc tggcaaccag ttggacggcc 180  
 catcaccgcc ctccgggtcc gantcaacac atactacatc ntnggtcttc aggttgcccta 240  
 tgggcaaggt nttgaacnaa ctattttngt ttgttcccca accggaaaac ctggaagnaa 300  
 aatcttttct tgccccctt ggggaaatcn 330

<210> 2152  
 <211> 544



## 1406

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (493)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (544)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2152

```

tttttttagc atcatgttta cgcccttgga cagatacant gatagaaata tgcaaattaa 60
tagacatcaa tactgtgCGT taaaggctat gtctgctgta ctgtgttggt gccctgttgc 120
agataatgta ggactttcat cagatggcta tttgtacaaa tggttggata acattttgga 180
ttctctggac aaaaagggttc accagctggg ctgtgaagca gttacgttgt tactggagct 240
gaaccctgat cagagcaacc tgatgtactg ggctgtggac cgctgctaca cgggctccgg 300
gagggtggcg gccggctgct ttaaagccat tgctaattgt ttccagaaca gggattatca 360
atgtgacaca gtgatgcttc taaatctgat actgnntaaa gcagctgatt cttctagaag 420
tatctatgaa gttgctatgc aacttttaca gattctggaa ccgaagatgt ttcgctatgc 480
tcacaaattg gangttcaga gaacagaatg gaggactcac ccagtggntc ctntacacaa 540
tntn
544

```

&lt;210&gt; 2153

1407

<211> 236  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<400> 2153  
gcggacgcgt gnttggacgc gtgggtggag cagtcttcca aatttatatt atcaaggacc 60  
tggagaagct actcatgata gcaggagaag agcgggcact gtgtcttgtg gacgtgaaga 120  
aagtgaaca gtccctggcc cagtcccacc tgccctgcca gcccgacatc tcaccaaca 180  
tttttgaagc tgtcaagggc tgccacttgt ttggggcagg ccaagaattg agaacc 236

<210> 2154  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>

1408

<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1409

<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)

1410

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2154

```

ggcgccgtgt gcggttaggg cttctgccgc tctccacgc ttgngcagca tnaccgggtc 60
cacantggcg agcggcctta caagtgcgat gactgcngaa aggccttntc ccanagctcn 120
gacctcattc gccaccaacn gacccaennc gnagaccnnc nctnacctgg ggccccagca 180
tgggtggnag gtgtnggcag aagataatgg nccngggagc tanaggaacc tttagggatg 240
atagtgtaga agccgtagga gaatggaatg agctgangat gctggaanaa gagaaccant 300
ggtggaggaa gtgacatgcc ctgnagactt gtgggaagtg gtttgtaggg aggccatgnc 360
ggtatacggg aggccttgan agaaatggag agaggtcaan tn 402

```

&lt;210&gt; 2155

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (304)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2155

```

gtgaacttcg gtgttcctta cagttagcgg aaacggaaag ggaaggagga ttttctccac 60
acattttctcc tttcactgct gtcaatgacc tgggacatct gcttgggaga gctggcttta 120
atactctgac tgtggacact gatgaaattc aagttaacta tcctggaatg tttgaattga 180
tggaagattht acaagaacaa aagtccagaa tgttgaccta attttacaaa acaagctgca 240
tatcagctga tgaatgcatg agaaatthtc aaggctthtc cagtgggtctt aagggtatggg 300
tganagtaac tgtgcttgga atagaaaagc cctgctgcat cgagacacaa tgctggcagc 360
tgcggnagtg tacagagaaa tgtacagaaa tgaagatggt tcagtacctg ctacatacca 420
gatctattac atgataggat ggaaatatca tgagtnacat gcaagaccaa cttgaaagaa 480
gtttccgaac tgtggcattht tg 502

```

&lt;210&gt; 2156

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1411

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

1412

<400> 2156  
cccntagnaa actcccnntg gaaggaccgt tgggacgcct gtangtaccg gtccggaatt 60  
cccgggtcga ccacgcgtc cgcccacgcg tccgcccacg cgtccgggag ttccggaaag 120  
ccaaggccag ctccacaggc agcttcacag cacctgatcc cggcctgaag cgcaagtccc 180  
ctcctgaggc cctgtcaggg tccttaccct cagccaccac ctgccccgcc tcgtccacgc 240  
ctgcgcccac tatcatccct gctccagctg cccccgggaa gccagcctcc gcagccaccg 300  
tgaagaggaa gcggaagagc cgggtgggggc ctgaagagga taaggtagag ctcccacctg 360  
ctgaactggt gcagagggac gtggatgcct ctccctcgcc tntgcagntc aggacctcaa 420  
ggggctcggg tatgagaagg ggaagcctgt gggncctaang ggcg 464

<210> 2157

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<400> 2157

## 1413

```
tggactnctc ccggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt 60
gtttcgccctt ttatgcctat cactaccgct tcaatgggca gtatagcagc ctggccctgg 120
tcacctactg gctcttcatc caggtgaggc ctgggcggca agcagggggc aggccagccg 180
tgcctttcca ggcaggagag gctgcagccg gngaggatgc cctgtggggg cggcccaagc 240
gggcagaggt agcgtggatg gtcccggntg ggctgnctc tgnnagcagc ggctgggtgg 300
tcaagggcgg ncccg 316
```

<210> 2158

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c



1414

&lt;400&gt; 2158

```
ggcacgagcg cttgtggagc tgggtggcggc gctcccaggg gctcggctgt tttccgcgcg 60
gcaggncctcg atggcgcaact gggtaaagct ctcaaggagc agaagtacga ccggcagctg 120
agggttgtggg gtgatcatgg gcaagaggct ttagaatctg ctcatgtttg cctaataaat 180
gcaacagcca caggaactga aattcttaaa aacttggtac taccagggtat tggttcgttt 240
acaattnatt gatggnaatc aggtcagcgg agaagatggc tggaaaacaa ttttcttctt 300
tcaaagaagc anttntcggg caaaaaccga gctggaaagc ngaccatggg aatttcttan 360
ca
```

&lt;210&gt; 2159

&lt;211&gt; 79

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2159

```
gacctcgctcc gccaaaggatg tgccagccgg cagcttgccg actgccctca atgagctcaa 60
gagactgata canagcatt
```

79

&lt;210&gt; 2160

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (363)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1415

&lt;222&gt; (429)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2160

```
gggtatgcag taacatttca gaatgttttg tgtgcgtgtg aaggggtgcac aggtgcgtgg 60
ggatggggag ccaggctcag aggtggacgc tggctgcctg ggccacctcc tttcccagac 120
cccatctggg cgagcagaga gcagagggag agggagtgtc ccggtgcca ggctcccaga 180
gtgctgtcct ctgcccgggt cgtcaagtcc aggtagtggg tcccagtggg gcttcgggtgc 240
tggagggcgtc tctgcctcgt ttccggctcc atgttacgct cttagaaacg gagttgattg 300
tggttgaggc ggaaggaagg gttccccgca nacgtcctct ctcttctaca aagtgtgggc 360
aanagccagg gccagtgagg gctgctgtgc atgagtggcc tgagacaaag cgctgtncnc 420
cgttgagana tgggctccna agaaac 446
```

&lt;210&gt; 2161

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (386)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (415)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

## 1416

<223> n equals a,t,g, or c

<400> 2161

```
gggcctgtcc acgtccccct ctgtccttaa ctccaggaga ccttggctca cgtggacagc 60
aatggagttg ggggaagggc cctgaaggca gcccaggcc tgactgtggg cctccagcta 120
caggcatttg tgtttgggca ccagctaccc cacatcccag ccggtcatct ctgggcataa 180
acccccaccc cccagaaagg aggcttcctg tccctcttgg gcaccagctc agccaaaagc 240
cagaaagctg ctctggagca taacctgacc cccccacggc gaggcagggc agtcttctct 300
ggctggcact gctctgggca tagaattgat ccttcatcaa nctttacccc aaaaaagaag 360
ngtcttcctg ggtgaaggac aaagtngggg aaggcaacan ggctggggct taaangccct 420
tcaccagcca ttcaagggtt gccttttnaa 450
```

<210> 2162

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<400> 2162

```
agcttcctct gggaaacgcc ccantatagg gatagctggc acgcctgcag gtaccgggtcc 60
ggaattcccg ggtcgaccca cgcgtccggg acccaacttc tctcaccgcc atggagttcg 120
acctgggagc agccctggag cccacctccc agaagcccg tgtggggggc ggccacgggg 180
```

## 1417

```

gagatcccaa gctcagtcctt cacaaggttc agggccggtc ggaggcaggg gcagggtccgg 240
gtccaaagca aggacaccac agctcttccg actccaagca gcagctccag cgattcggac 300
acggatgtga aggtaagggg ctctcgcagc gtcccaagca cgtgccctgc accccanaga 360
ggcgtccccg actggggctg gcgngaggg tgcnnngagt ggtcc 405

```

<210> 2163

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<400> 2163

```

gggggcttgg cctcaagcat ctctggaagc ctgctgtgga ggcctatgga gagtttctct 60
gcatgtttga ggaaaattat cccgaaacac tgaagcgtct ttttggtggt aaagcccca 120
aactgtttcc tgtggcctat aacctcatca aaccttcctt gaggtaggac actcgtaaga 180
agatcatggg cctgggaggt ggcagtttat gtcagatgga gcggatgttg gttttgggat 240
tttcctgaag accnagatgg gagaanaggc ancgngcagn 280

```

<210> 2164

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

1418

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<400> 2164  
tggcgacact ggatcgnaaa gtgcccagtc cggaggcggt tctggggcaaa ccnnggtcct 60  
cctggntcga cgnogccaaa ttacactgct ccgacaatgt agatttagaa gaggctggaa 120  
aagaggggtgg aaaaagcagg gaggttatga ggcttaataa agaagatatg cacttatttg 180  
gccattaccc agcacatgac gacttctatc tcgtagtgtg cagtgcctgt aaccagggtcg 240  
tcaagccaca ggttttccag tcgcactgcg ccgggcctgc aactgttcca cttcttgat 300  
cctccttcag cttctctgac tcctgggcca ggtgtgtgca tttagctcca tgctgaagag 360  
ctgcagcttc tgcaggacat ttgtaccatc gaggtcaaag gcaacaagaa gtgacatgag 420  
tttcagtcca tcttcatgag gttccagtta aggcctgtga attcgcaatt gttcttcccg 480  
actgcctg 488

<210> 2165  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

1419

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

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## 1420

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1422

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 tagaangatt atttgcatgg gtgcanaana naatggnttg ccgctggant atcaanagan 180  
 gttaanagcn ttanaaccaa atgactatac ntgaaagggtc tcanaagaaa ntgangacat 240  
 catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300  
 tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360  
 tngatccatt ttcannagtg ctctgagagg agtatcttac ttgggggtgac tccttgtttt 420  
 tagactatac tcagaaactg ggatanggag ttanaccatt taaaacgggt gtatganggc 480  
 ctgnaatatg tgacaantga at 502

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1423

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1424

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1425

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cgttgctgta attgaacggg tcnanatgcc nacgtgagtg agtgggggca tgcttgggaa 120
gcgcaggatg gtactggcac atctaacatc tacattctc tagctcanc tcacaggcca 180
aagcatcagc accanaacgc acaccancc catcccnna nagaaagaan gaaacagcca 240
agaccccacc cgggtgcttg acaccgcctt tgcacatanc aaaagctcca ngnttactcc 300
ttcctgggtg ggaaaanaaa atgcctntcc tctccctgga aagacctggg ccctccccgc 360
aggcaacaat ttgcattttg aaaagttatt gggttccttc ctcnnggctg tnttcttgct 420
tgtaaccaa aatttttctt nccnaaatta aatnc 455
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&lt;210&gt; 2167

&lt;211&gt; 436

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (432)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2167

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gaaagagttg gaattgtaca aagaggaact tcagacaaaa cctgcactct tggcagttaa 60
taaaatggac ttgccagatg cccaagataa gttccatgaa ttgatgagcc agctccagaa 120
tcctaaagat tttctgcatt tatttgaaaa aaacatgatt ccagagagga ctgtagagtt 180
ccaacatatc atccccatat ctgcagttac tggagaagga atcgaagaat taaagaattg 240
tataagaaaag tcaactggatg aacaggccaa ccaggaaaat gatgcacttc ataagaaaca 300
gttgcttaat ttgtggattt ctgatacaat gtcttctact gagccaccat caaagcatgc 360
tgttactact tccaaaatgg atataattta aatatattaa aaatggtatt gatggaacag 420
taaaaaaaaa annnnn 436
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1426

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<220>

1427

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1428

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 tggtagcgcct gcaggtagcg ggccggaatt nccggatcga cccacgcgctc cgctggagag 120  
 agaccttttcg aatgtattga atgtggaaag gccttttagta atgggttcatt ncttgctcag 180  
 catcagagaa ttcatacagg agagaaacct tangtgngna atgtgngngn gaaagccttt 240  
 agccatcggtg gatacctaata tgtacatcag agaattcata ctggngagag accctacgaa 300  
 tgtaaggaat gtangaaagc cttcagncag tatgcacacc ttgctcaaca tcagagagtt 360  
 catactggag aanancctta tgaatgtaaa gtattgttng aaagccttca gncaaattgc 420  
 ataccttgat caacatcaga gggntcatac tggagagaaa ccctatgaag gtattggaat 480  
 gnnggaaggc ctttagcaat agttcatcac ttgcacaaca tcagnngaag catactggag 540  
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1429

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1430

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1431

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1432

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agncttntnc tttatgcagt ccctgaacta ccaggaagat aaacaccacc atgatggaga 120  
tttgaccagg tacaaacagg gtattgaagt tagcgaccag gttgacgctc ttcagattcg 180  
cggcgggttaa aatggcgacg aggttaccac ccacanccan gggggggcact ttccggggaa 240  
gagggcgggg agatagattt tnggccaaca agacgttaat natngggcaa aaanggggnt 300  
aattccagcn agggntgnnc caggcngntc cataaantnc cgngngggg gntnaaatnn 360  
gntttntnnn gnggnnggnt attaggnnc cnanccgttt annggggaat ttggggggaa 420  
gccatttng 429

1433

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<212> DNA  
<213> Homo sapiens

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tgccggcccc cgctctgccc tggattggta gcttatgtcg atcttgatga aagagcaatt 120  
gatgctctca gggaatttaa tgaagaagga gctctgtctg tactacagca gttcaaggaa 180  
agtgacttat cacatgttca gaacaaaagt gcatttttat gtggagtatt gaagacctac 240  
aggcagagag agaaacaggg gagcaagggtg caagagtcca caaaggggacc tgatgaagcg 300

## 1434

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aagatcaagg ccttgcttga gagaactggg tatactctgg atgtaaccac aggacagagg 360
aagtatgggtg gtccttcacc agacagtgtg tactctggcg tgcaacctgg aattggaacg 420
gangtatttg taggcaaaat accaagggat ttatatgagg atgaattggg gccctttttt 480
gagaangccn gacctatttg ggatctacgt cttatgatgg atccactgtc cggcagaata 540
ganggtatgc atttatcacc ttctgnggna aaggaanctg ncaggaagcc c 591

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<210> 2171

<211> 536

<212> DNA

<213> Homo sapiens

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gaccccccttc gcgggggggga tgcgtgcatt tatcagatca aaaccaaccc ggtcagcccc 120
tctccggccc cggcngggggg gcggggcgccg gcggcctttgg tgactctaga taacctcggg 180
ccgatcgcac gccccccgtg gcggcgacga cccattcgaa cgtctgccct atcaactttc 240
gatggtagtc gccgtgccta ccatgggtgac cacgggtgac ggggaatcag ggttcgattc 300
cggagagggga gcctgagaaa cggctaccac atccaaggaa ggcagcaggc gcgcaaatta 360
cccactcccc acccggggag gtagtgacga aaaataacaa tacaggactc ttctgaggcc 420
ctgtaattgg aatgagtcca ctttaaatacc tttaacgagg atccattgga gggcaagtct 480
ggtgccagca gccgcggtaa ttccagctcc aatagcgtat attaaagttg ctgttg 536

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<210> 2172

<211> 252

<212> DNA

<213> Homo sapiens

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<221> misc feature

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1435

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ggccgatgcn tgcgctgggn ccccaacgag aacaagggttg ctgtgggcaa cggatctngg 180  
gaganctcca tctggtatatt ccagcaagga gaatgactag gnggggttag caaagcacat 240

1436

naagaagncc at

252

&lt;210&gt; 2173

&lt;211&gt; 480

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (334)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (477)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2173

```
gatttttnacc aaatggttaca agaaattcaa gaagtgaataa ctctgaaga actagagacc 60
tttatgctta aacatggaga aaatattatt gatacttttag gagctgaagt agatagactt 120
gagaaggaac tgaaagtaag atgtattcat aaaaataaca taatgataat ggcagctatt 180
tttttgagta cttactctac agcagacact aagtgcaccc atcacatgca tgctttaacc 240
cactcataac tccacagtgt gtaggtatatt ataagcaaga aaatgactgg gttagataag 300
ttgaataatt tacccaagga aatagggaaa ttgngatttg aaccagattc tttacttttt 360
aaacactatt tatgcagcct gcttagtttc taaaatagtc aaaggggggtt tttttgggtg 420
gtaataaata acatttttgaa agtcctanaa naaagatgaa aagggaacttt anactnnggg 480
```

1437

<210> 2174  
<211> 571  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c



1438

<220>  
 <221> misc feature  
 <222> (353)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (398)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (407)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (447)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (550)  
 <223> n equals a,t,g, or c

<400> 2174  
 gtggaagtgc tgtgccatgg gcagcttcga cttggagata gagaactcag aanacagatt 60  
 cccagggggga gtgagataa caccacatct ctacagggtt tacagcttcn ccatgggctg 120  
 ctggcccaag aatggacttc tanacatgaa caagggcctc agcctgcaac acataggccg 180  
 gccccacacc ggcattgacg actgcaagaa acattgccna catcatgaan aactcgcct 240  
 atcgaggctt catcttcaag cagacatcna anccgttctg attggcccaa gacaagatgg 300  
 ggcaagacaa ggtnactgtt tggcccaccc aaaatcctcc tctccctcac canaaggga 360  
 aaaggaaaat ggcatactct gtgtccagaa tgtcccanct gcctgtnggc tctgcccttg 420  
 gcgttggtt ttcccttgca agggctntgc ccttgggcct tctggaacaa aacttttttc 480  
 ccccatccc accctcatct caccagtat caccctccc ttgcgggctg ggctagggga 540  
 accaggatcn cccctctccc tgttcacagg c 571

<210> 2175  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (245)  
 <223> n equals a,t,g, or c

<400> 2175  
 cacaggcggc tgtgcctaaa caggaggagg ccattcacgc ctgcctgag ttgtgtccaa 60  
 ggtgtgcgtg tggccagggg tccatccgct tccctctagc ccagcccctg aacacagctg 120  
 cagtgcacgg ccccatcct cagctctgct ccccatccca actcgaagac gctgccctgg 180

## 1439

```
ccctgtgtgt gcagctcatg tggactggga gggcagggca ggtgcaggtc ttgggggcaag 240
agctngagct gtcttttcct tcctgcacag ccgcagagca ggtggatggg gctgcttccc 300
tgcaaggccc cagggccagg cccctgggg atttattcgt ggcttagaag ggtggggcca 360
gaagcaggcg tagtggggat tagggactca gcacccccag ctctcagtc agcagacaga 420
cccaccccag gctgactaca gaggct 446
```

<210> 2176

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

## 1440

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<400> 2176  
gagggaaaaag gccttgaagg gccattagac ctgataaatt atatagacgt tgcccagcaa 60  
gatggaaagt tgccttttgt tcctccggag gaagaattta ttatgggagt ttccaagtat 120  
ggcataaaaag tatcaacatc agatcaatat gatgttttgc acaggcatgc tctctactta 180  
ataatccgga tgggtgtgtta cgatgacggt ctggggggcgg gaaaaagctt actggctctg 240  
aagaccacag atgcnagcan tgaggaatac agactgtggg tttatcangt gcaacannct 300  
ggaacaanca caagccattt gcanggctnt atacaccgct tttgactctg tattaacatc 360  
tgagaaaccc ttgnatcctt nnaattaagt agaagnctaa cttnatctga aaagttcatc 420  
tgttttcaaa ctgcaatgct gaaatgttat tg 452

<210> 2177  
<211> 368  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>

1441

<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<400> 2177  
ccgccgcggt acacggccgt atattactgt gcgagagatc ccacggagag atggctgtca 60  
cagaaatccg tactactttg actactgggg ccagggaaac cctggtcacc gtctcctcag 120  
cctccaccaa gggcccatcg gtcttcccc tgggcaccct cctccaagag cacctctggg 180  
ggcacacggg ccctgggctg cctgggtcaag gactacttcc ccgaaccggt naggtttctt 240  
ggaaactcag gcgccctnac cagcgggggt tcacaccttc ccgggtgttc ctacagtcct 300  
caggantcta ctccctcagn agnttnntta accgtgccct ccagaaagct tggggaccaa 360  
aaactact 368

<210> 2178  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)

1442

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<400> 2178

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gcaccattcc ggggccccaa ggaccgggcc cgcaagttgg ccgaggtggg cagccacgag 60
aaggtggggc agnaccatg ctgcgtgcgg ctggagcagg cctgggagga gggcggcatc 120
ctgtacctgc agacggagct gtgcggggcc agcctgcagc aacactgtga ggcctggggg 180
gccagcctgc ctgaggccca ggtctggggc tacctgcggg acacgctgct tgccctggcc 240
catctgcaca gccagggcct ggtgcacctt gatngtcaag cctgccaaca tcttcctggg 300
gccccggggc cgctgcaagc tggttgactt cngactgntg gtanacttgg gtacagcna 359
```

<210> 2179

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

1443

<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (255)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1444

<222> (296)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (297)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (323)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (346)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (361)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (363)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (407)  
 <223> n equals a,t,g, or c

<400> 2179  
 gcggcacgag caatcatata ccaaattctct ccctcactaa acgtaagcct nctcctcact 60  
 ctctcaatct natccatcat agcaggcagt tgagggtggat taaaccaaac ccagctacgc 120  
 aaaatcttag catactcctc aattaccac ataggatgaa tnntagcagt tctaccgtac 180  
 aaccctaaca taancattct taatttaact atttatatta tcctaactac taccggatnc 240  
 cnactactca actnnggggtc cagcaccacg ancctacnan tatctcgan ctgaannaat 300  
 ctaacatgac taacaccctt aantccatcc accctcctct ccctangaag cctgcccccg 360  
 ntnaccggct ttgagcccag atggggccatt gtccaaaaaa acacctnaaa c 411

<210> 2180  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (540)  
 <223> n equals a,t,g, or c

1445

&lt;400&gt; 2180

```
gctcgcgccg aggggctgcg agagtgaccg cggctgctcc agcgctgacg ccgagccatg 60
gcgagcgagg agcttgaggc gctgaggaga cagaggctgg ccgagctgca ggccaaacac 120
ggggatcctg gtgatgcggc ccaacaggaa gcaaagcaca gggaagcaga aatgagaaac 180
agtatcttag cccaagttct ggatcagtcg gcccggggcca ggttaagtaa cttagcactt 240
gtaaagcctg aaaaaactaa agcagtagag aattacctta tacagatggc aagatatgga 300
caactaagtg agaaggtatc agaacaaggt ttaatagaaa tccttaaaaa agtaagccaa 360
caaacagaaa agacaacaac agtgaaagta agtgtcccca gatgcttggt gcaaatgaaa 420
agatggatac tttaaagatt aatgttgagt atacatctac cacacatatt tttcagccca 480
gagacatttt tccttttgtc aaacacgtga aagtttgggg agaaaggctg aatctgttgn 540
gggaggggtt taatttttta taggctcttt gactccattc ccaccctttt aagttcacgc 600
ttaagttggt                                     610
```

&lt;210&gt; 2181

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2181

```
gaggtaacca cgtttcagct cgctgtattg tttgcatgga accaaagacc cagagagaaa 60
atcagctttg aaaatcttaa gcttgcaact gaactccctg atgctgaact taggaggact 120
ttatgggtct tagtagcttt cccaaaactc aaacggcaag ttttggttga tgaacctcaa 180
gtcaactcac ccaaagactt tacagaaggt accctcttct cagtgaacca ggagttcagt 240
ttaataaaaa atgcaaaggt tcagaaaagg ggtaaaatca acttgattgg acgtttgcag 300
ctcactacag aaaggatgag agaagaagag aatgaaggaa tagttcaact acgnatacta 360
agaaccaggg aagctatcat acaaataatg aaaatgagaa agaaaattag taatgctcag 420
ctgcagactg aattagtaga aattttgaaa aacatgttct tgccacaaaa ggaaatgata 480
aaagtgcaat agagtggcta atag                                     504
```

&lt;210&gt; 2182

&lt;211&gt; 527

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



1446

<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (506)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2182  
gatgaccggc tgcgggaaga gcggg'gcac gcgctcaaga ccaaggaaaa gctggcacag 60  
accgccacgg cctcatcagc agctgtgggc tcaggccccc ctcccgaggc ggagcaggcg 120  
tggccgcaga gcagcgggga ggaggagctg cagctccagc tggccctggc catgagcaag 180  
gaggaggccg accagccccc gtccctgcggc cccgaggacg acgcccagct ccagctggcc 240  
cttagtttga gccgagaaga gcatgataag gaggagcggg tccgtcgcgg ggatgacctg 300  
cggctgcaga tggcaatcga ggagagcaag agggagactg ggggcaagga ggagtcgtcc 360  
ctcatggacc ttgctgacgt cttcacgggc ccagcttctg cccgaccaca gaccctggg 420  
ggggccca cccatgggtt gntgccgtcc cacgggttgc ccaacttga cccctggggc 480  
gggccccctg tnccttcanc tgctgnatcc cctggggaag gttcaan 527

<210> 2183  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>

1447

<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

<400> 2183  
gccntngcgt ccgatttaaa tgacatctat gaggaagagc catttaattt tcaaattggc 60  
tataatgagt ttcagaagtt tggtcaaagg aaagcacatt ccgtttataa ttttgaaaaa 120  
cctgttgtca tgaaggcttt tgaacacttg cagcaattag aattaataaa gcccatggaa 180  
agaacttcag gaaattcaca gagagagtcc agctgatgaa actgcttttg gataatactc 240  
aaattatgaa tgctctgcag aaaatatccc aactggcncta cagatgngaa gccangggcc 300  
acatcctact taacctgggt ntggaatnta acc 333

<210> 2184  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

1448

&lt;400&gt; 2184

```
gctcgtgccg aattcggcac gagtttggac caatccacaa ataaaattgt ctctgactga 60
gaaagatgag gggcaggagg agtgtagttt ccttgtagcc ctgatgcaga aagatagaag 120
gaaactcaag agatttgggtg ccaatgtgct gacaatcggc tatgccattt ataattgccc 180
taacaaaaac aaannctnaa acaaaaatcc tccaaatccc ncctcnctcg          230
```

&lt;210&gt; 2185

&lt;211&gt; 418

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (345)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

1449

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<400> 2185  
tnnccacnac tncatatnggg aaagctggta cgcctgcagg taccgggtccg gaattcccgg 60  
gtcgacccac gcgtccgaag gctttgaaga gaggtccct gctgggctgc ttcattgata 120  
ccagaagtgc tgcagaatct gagggccgga cgccgtttgg tcttattaag ggtcatgcct 180  
acagtgtaac ggggaattgac caggtaagct tccgaggcca gagaatcgag ctcattccgaa 240  
tccggaaccc ttggggccag gttgagtggg acgggtcgtg gagcgacagt tctccggagt 300  
ggcgttctgt tgtccaactg agcanaagcg tctgtgtcac actgntctgg atgatgggga 360  
attctggatg gcatttaagg acttaaggcc cctttgataa antgganatc tgcancct 418

<210> 2186  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>

1450

<221> misc feature  
<222> (511)  
<223> n equals a,t,g, or c

<400> 2186  
ggtgctgact ctgcaggggg atgccctcag ccaggcggat gtgaacctga agatgccccg 60  
gaacaaccag ctgctgcaact tcgccttccg ggaggacaag cagtgggaagc tgcagcagat 120  
ccaggatgcc agaaaccatg tgagccaagc catttacctg cttaccagcc gggaccagag 180  
ctaccagttc aagacaggcg ctgaggctct caagctgatg gacgcagtga tgctgcagct 240  
gaccagagcc cgaaaccggc tcaccacccc cgccaccctc accctccccg agatcgccgc 300  
cagcggcctc acgcggatgt tcgcccctgc cctgcgcgtc gacctgctgg tcaacgtcta 360  
catcaacctc aacaagctct gcctcacggg gtaccagctg natgccctgc agcccaactt 420  
caccaagaac ttcgccanct gggggcgcgg ngctgcataa ccttggggcc atgttcnaat 480  
ggggctttta cgcttggang tgaaccacgt nc 512

<210> 2187  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
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<222> (98)  
<223> n equals a,t,g, or c

<220>

1451

<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
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<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
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<222> (246)  
<223> n equals a,t,g, or c

<220>  
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<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
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<222> (310)  
<223> n equals a,t,g, or c

<220>  
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<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1452

<222> (418)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (420)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (421)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (422)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (453)  
 <223> n equals a,t,g, or c

<400> 2187  
 aaggtgatcc agacgcaana tggctgtcct ctctaangaa tatggttttg tgcttctaac 60  
 tgggtgctgcc agctttatna tgggtggncn cctagccntc aatgtttcca aggcccgcaa 120  
 gaagtacaaa ntggagtggga cacttccatt angattctca cacactcaat ttctgttctt 180  
 ctattaaggg aaatcttaaa angatgtggt atttgatgac tcttaagaag ntctatatcc 240  
 ctacantatc tttgtgatgc atctgaaatc cccattgatg cttnacgtca atgaaaagca 300  
 cngaattggn gcaaagctgc ctctttccct tntgcaacta cagcgcaaan atacatcctt 360  
 attcctggat atttaataaa aacattgact ctgcttctga aaattgaaaa ccttgtcncn 420  
 mnaattttta accaaaattg aatgggtctct tcnagggg 458

<210> 2188  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (13)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (44)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (62)

1453

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c



1454

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<400> 2188  
gcccacgcgt ccncgctgcc cagcctccgg cccgaggccg ctgnccagct cctgcgctcg 60  
gngcccaagg tctgcgtcac cgtcctgccc cccgacgaga gcggncggcc ccgcaggagt 120  
ttttcggagc tgtacacgct gtcgctgcag gancctagcn ggcggggggc nccagatnct 180  
gtgcaggatg aggtcnaggg ggtgaccctg ctgtccacca naaancagnt gctgcacctg 240  
tgcctgcaag atggtggtaa gtcctccang gcctggngat ctggccnagg agangactga 300  
gttcctgcac agtcagaact cgctgtnact acgcaag 337

<210> 2189  
<211> 526  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1455

&lt;222&gt; (481)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (482)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (524)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2189

```
gcccacgcgt nccgagccac agaaagtatc gacattaggg aaaagcaacg tgatagtaac 60
gggagcaaac ttaccceggg catcgaaacat cacaatgac ctgaaaggaa ccagtacctg 120
tgataaggat gtgtgagtcg aaataactaat aattttatcct cggtaacgta acgctcaaac 180
ctgtgccaaa ggaatatcag tgtgattata accttaatat agtcaaatta ttgccatgcc 240
ccaaagcagg ccaattagtc agagtatttg acataatata attccaacac gtaaaataat 300
tttcacaaca gatctgaagt tcattgngag agaattctgtt ctgtgttatt ccccaaaaat 360
ctcaagtata tagtcatttc aagatgttgc ctgggtgggg tcttgattca ttttcagtaa 420
caaatcaag tatatggagt acaaacatna ttctttaagg tgatgcactt tggaaaaaaa 480
nntgagtccc ttgnaatttg atgaaggaat tttttgggag caantt 526
```

&lt;210&gt; 2190

&lt;211&gt; 553

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1456

<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (480)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)

1457

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (519)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2190

```
atngncacgn gaccctttga ggantacta cgantcacta tagggaaagc tggtagcct 60
gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgcggaacgc tgggtgggca 120
tgcagctgga cagagcaagc agctctctgt atgttgcggt ctctacctgt gtgataaagg 180
ttcccccttg ccggtgtgaa cgacatggga agtgtaaaaa aacctgtatt gcctncagag 240
acccatattg tggatggata aaggaaggtg gtgcctgcag ccatntatca cccaacagca 300
gactgacttt tgagcaggac atagagcatg gcaatacaga tggntgggg gactgtcaca 360
attnctttgt ggcactgaat gggcattcca gttncctctt gcccagcaca accacatcag 420
attcgacggc tcaagagggg tatgagacta ngggaggaat gctggactgg aagcatntgn 480
ttgactcanc tgacagcaca gaccctttgg gggcaaggnc ttnccataat caccaaagac 540
aagaagggag tga 553
```

&lt;210&gt; 2191

&lt;211&gt; 627

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (525)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (610)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1458

&lt;222&gt; (611)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (612)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2191

```
gcatgggagc tgttcagcag ttttaacttag atgtcataca gtgtgaattg tttgccagct 60
ctgagcctgt gccaggattc caggggggata ccctgcagct agcattcatt gacctcagac 120
aactccttga cctgtttatg gtttgggatt ggtctactta cctagctgat tatgggcagc 180
cagcttctaa gtaccttcgg gtgaatccaa acacagccct tactcttttg gagaagatga 240
aggatactag caaaaagaac aatatatttg ctcagttcag gaagaatgat cgagacaaat 300
agaagttgat agagacagtc gtgaaacagc tgagaagttt ggtgaatggt atgtcccagc 360
acatgtagac ctcacatggc ttgcactcag tgacaccaaa tccatgattc aatgttgatc 420
ttgagcaagt attggtcatg atacagtaat ttgtttacag aatccaaaaa tacaatagag 480
aagatacatg agggcttaaa caagaaatag taataaatat cattngtatt ggatttttaa 540
ataatcgatc tattttatat atggaaaaaa aatgaccatt ttttcacttt taggggnaaa 600
attgcnaaan nngtaatact taaattg                                     627
```

&lt;210&gt; 2192

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (269)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (308)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (321)

&lt;223&gt; n equals a,t,g, or c

1459

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<400> 2192  
ggggaccact ntcttcttgg tacttctcag attttttttt ctttataacc cgtatgaatg 60  
gtaggatcat tccttttttt gtccattta gagaaataac gtatgcagtg ggacccaaat 120  
tctttttcac tcattgcatt attttgctct aaatacaggt aagtgtgtta acagaccagg 180  
tggaggctca gggagagaag attcgagatt tggagttttg cttgaagagc acagagagaa 240  
gttgaatgcc acagaagaaa tgctggaana ggtatgtcaa aggccagAAC caagatggga 300  
ttccctgntg aactntgtga natgctgcat tctntgttgg gtt 343

<210> 2193  
<211> 642  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (522)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (568)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (609)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (611)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (624)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (639)  
<223> n equals a,t,g, or c

<400> 2193  
gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg 60  
agaagacgac agaagggggtt ttcgcaacgg gtttgccgcc agaacacagg tgtcgtgaaa 120

## 1460

```

actaccacctt aaagccaaaa tgggaaagga aaagactcat atcaacattg tcgtcattgg 180
acacgtagat tcgggcaagt ccaccactac tggccatctg atctataaat gcggtggcat 240
cgacaaaaga accattgaaa aatttgagaa ggaggctgct gagatgggaa agggctcctt 300
caagtatgcc tgggtcttgg ataaactgaa agctgagcgt gaacgtggta tcaccattga 360
tatctccttg tggaaatttg agaccagcaa gtactatgtg actatcattg atgccccagg 420
acacagagac tttatcaaaa acatgattac agggacatct caagcttgac tgtgcttgct 480
ctgattgggt gcttgctggt gttggtgaat ttggaagctg gnatcttcca agaattgggca 540
agaccccgag agcattgccc tttctggntt acaccattg ggtggggaaa caacttaaat 600
ggcgggggnt naacaaaaat gganttcac ttgggccnc cc 642

```

<210> 2194

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<400> 2194

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gtgaaaaacc atatggcata gttgaaaaga agtccagaat attccctggt gatacaattc 60
tggagactgg agaagtaatt ccaccaatga aagaatttcc tgatcaacat cattaaagat 120
tatgtaaaaa gttaaaaggc ttatgagcct aagtttgctt ctatattacc atatttactg 180
aattttctgg aaanntaact tttaaataaa antttaatct cagaaatttg tcattgnnc 239

```

<210> 2195

<211> 290

<212> DNA

<213> Homo sapiens

1461

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<400> 2195  
gcgggcgcgag acggcgggcag tgcgggcttgc tcttggaagt tcaggctcgg ttgtcttttg 60  
ggagccatgg agagtgactt ttatctgcgt tactacgtgg ggcacaaggg caagttcggc 120  
cacgagttcc tggagtttga gtttcgaccg gacgggaagt taagatatgc caactcagct 180  
gctgctgntt ccatgtgttc tgggttcana ggtcatggct ncaccggtca gagcnctgag 240  
tgnctcaggg tttggcaatg gaatttttaa tgtaataaat ctttatngaa 290

<210> 2196  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c



1462

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<400> 2196  
ggcanagcag agagcagtggt acgatgagca gggaacagtg gacgaggact ctctgtgct 60  
cacccaagac cgagactggg aggcgtattg gcggctactc tttaaaaaga tatctttaga 120  
ggacattcaa gcttttgaaa agacatataa aggttcggaa gaagagctgg ctgatattaa 180  
gcaggcctat ctggacttca agggtgacat ggatcagatc atggagtctg tgctttgcgt 240  
gcagtacaca gaggaacca ggatgaagga ntatcattca gcaagctatt gacgccggag 300  
aggtcccatc ctntnaatgc ctttgttcaa agattcgaaa caaaggtgna tgcaagggaa 360  
aaggngggct caggang 377

<210> 2197  
<211> 541  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>

1463

<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1464

<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (371)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (389)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)

1465

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (446)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (473)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (489)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2197

```
caaagagtct accctgcacc tgggtgctccg tctcagaggt gggatgcaga tcttcgtgaa 60
gaccttgact ggtaagacca tcacctcga antggagccg agtgacacca ttgagaatgt 120
cgaggcaaaag atccaagaca aggaaggcat cctcctgac cagcanangt tgatctttgc 180
cggaaaacag ctggaaaatg gtcgnncct gtctgactac cacatccaaa nagatccacc 240
ctgcacctgg tgctccgtct canangtggg atgcaaattc tccngaagac ctgactggta 300
anancatcan tctcgaantg gaccaaatgn cacnttgaca atatcgnngc tagatcccan 360
acaaagaaaag ngncctctct gaacancana agttgatctt ttgggtgggga aacanttgga 420
anatggaccc cctgtcttg actacnacat cccgaaagat ttccccctt gnccttggg 480
tgctnccnc ctttataang tgggggatgc aaaatcttcc ctntcaaaaa accccgaatt 540
g 541
```

&lt;210&gt; 2198

&lt;211&gt; 282

1466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (169)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (189)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (195)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (268)

1467

<223> n equals a,t,g, or c

<400> 2198

```
aggggggatnt caatcggaaa cnctaacaan tttacccagg aaaccgctat gaccatgatt 60
acgccangct ctaatacgac tcactatagg gaaagctggt acgcctgcag gtaccggggc 120
ggaattcccg ggtcgacca cgcgtccggg gttcagagct ttctggagng atatcttcag 180
cttgtgatna agagncaa atggaacgaa gagngatcac gatttctaaa tcagaatatt 240
ctgngcactc atctttggca tccaaagntg atgttgagca gg 282
```

<210> 2199

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (188)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (202)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 1468

<222> (312)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (322)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (404)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (418)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (474)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (480)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (484)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (507)  
 <223> n equals a,t,g, or c

<400> 2199  
 ggcgttcttg gcgtcgggac cctacctgac ccatcagcaa aagggtgttg ggctttataa 60  
 gcgggcgcta cgccacctng agtcgtggtg cgtccanaga gacaaatacc gatactttgc 120  
 ttgtttgatg agagccccgt ttgaagaaca taagaatgaa aaggatatgg cgaaggccac 180  
 ccagctgntg aatgaagccc anggaaagaa ttctggtacc gcagnattna cagccataca 240  
 tcttccctga ctctcctggg ggcacctcct atgagagata cgattgctac aagggtcccan 300  
 aatggtgctt anatgacttg gnatccttct gagaaggcaa tgtatcctga ttactttgcc 360  
 aagagagaac agtggaagaa actgcggagg gaaagctggg aacnagaggt taagcagntt 420  
 gcaggaggaa acgccacctg gaggtccttt aactgaaagc ttttgccccc tgcncgaaan 480  
 gaangtgatt ttgccccac ttgtggn 507

<210> 2200  
 <211> 331

1469

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (330)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2200

```
gcgctgttgc ttgggaaaaa gggcatcgag aagaacctgg gcatcggcaa agtctcctct 60
tttgaggaga agatgatctc ggatgccatc cccgagctga aggcctccat caagaagggg 120
gaagattttcg tgaagaccct gaagtgagcc gctgtgacgg gtggccagtt tccttaattt 180
atgaaggcat catgtcactg caaagccgtt gcagataaac tttaggatttt aaattgcttt 240
ggngatgatt actggattga catcatcatg ccttccaaat tgggggtggc tctgngggccc 300
cttaataaaag ccgncttgat tttaaaaaan n 331
```

&lt;210&gt; 2201

&lt;211&gt; 476

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c



1470

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2201

```
ctcgtgttct tgctgatatt accaagtcac tgactaatcc tacgccata caacagcaac 60
tgagacgctt cactgaacat aactccagtc caaatgtcag tggaagcctc tcctctgggc 120
tgcagaaaat atttgangac cccactgaca gtgatttgca taaactaaaa tctccaagcc 180
aggacaacac agacagctac ttcagagggg aaacattatt gctgggttcag caagcctcct 240
ctcagagcat gacttattct gaaaagggat aaagggaag tagccttcct aatggtcgga 300
gcgtctccct catggacctc caggncactc atgctgctca agtggagcat gcctctgtca 360
tgcttgatgt gcctatacgc ttgaccggaa gccagcttcc cataaccagc gtggccagca 420
tcaaacagct gcgggaaacc cagagcactn cccaaagtgc accccaagtg agaagg 476
```

&lt;210&gt; 2202

&lt;211&gt; 209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1471

<221> misc feature  
 <222> (88)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (96)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (102)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (121)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (161)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (184)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (185)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (188)  
 <223> n equals a,t,g, or c

<400> 2202  
 gactagntnt ttatcgcnag cgttcgntcn agaggatcca ggcttacgta cgcgtgcatg 60  
 cgacgncata cactcttcta tagtagcnac ctacantcaa tncactggcc gtcggttcaac 120  
 nacgagcacg actgggaaaa ccctggagct acccaactta ntacgccttg cagcacatgc 180  
 cccnntcntc agctggcgta ataagggaa 209

<210> 2203  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<220>

1472

<221> misc feature  
 <222> (186)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (243)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (258)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (270)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (296)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (307)  
 <223> n equals a,t,g, or c

<400> 2203  
 gcagcggcca cagcaattat atggtggact ggtaccaaca gagaccaggg aagggccccc 60  
 ggtttgtgat gcgagtgggc actagtggag ttgtgggacc caggggggat ggcattccctg 120  
 atcgcttctc agtcttggcc tcaggcctga gtcggggacct gaccatcacg aacatccagg 180  
 aaagangatg agagtgacta ctactgtggg acagatcatg gcagtgggaa caacttcctg 240  
 tcngtttttc cgcggaangg aaccaaactn aaccgtccta ctttcagccc caaggntgcc 300  
 cccccngtt c 311

<210> 2204  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (55)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (93)  
 <223> n equals a,t,g, or c

1473

<220>  
 <221> misc feature  
 <222> (214)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (292)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (308)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (323)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (351)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (366)  
 <223> n equals a,t,g, or c

<400> 2204  
 ggacctttgg agttccagct taaggggtatc agcctccctg gctgatgtaa gtcanaggcc 60  
 tcttataccc actttgatga ggaaggactg tanagttgat gccaggcaga aacaggcaca 120  
 tatgtgtgtc ttctgcctct ccccagatcc tgtacttcac caatggccat ctgtatccaa 180  
 ctggttctaa atcaaacggg tcagcctgct tcanaacccc cccacagtgg ggggtggcac 240  
 actgaaactg actgacgtcc accctcanat actggaacct acctctgcca antcaacaac 300  
 ccacccanat ttctacccca atnggttttg ggctaatcca accttactgt ncttgttccc 360  
 ccccenttat cccctta 377

<210> 2205  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 2205

1474

```
accgcccctg cctgcagttg aacgagtaaa gcctagaatc aaaaagaaaa caaaacccat 60
agtcaagcca cagacaagcc cagaatatgg ccaggggatc aatccgatta gccgactggc 120
ccagatccag caggcaaaga aggagaaggt ggccaagcgc aatgcagccg agaacatgct 180
ggagatcctt ggtttcaaag tcccgcaggc gcagccacca aaccgcact caagtcagag 240
gagaagacac ccataaagaa accaggggat ggaagaaaag taaccttttt tgaacctggc 300
tctgggggatg aaaatgggac tagtaataaa gaggatgagt tcaggatgcc ttatctaagt 360
catcagcagc tgcctgctgg aattcttccc atgggtgccg aggtcgccca ggctgtagga 420
gttagtcaag gacatcacac caaagatttt accagggcag ctccg 465
```

&lt;210&gt; 2206

&lt;211&gt; 332

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1475

<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)

1476

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 2206

```
ggggtgcaag agaccnccaa tgggtagcnc gccctacttt gantgaangg ancgcccgca 60
ggtacccggt ccggaattcc cgggtcgacc cacgcgccct ttnntngccn ggggtgcagcc 120
ctgntggcag ggggcatttg ggngncaatc gatggggcat cctttctgaa gatcttcggg 180
ccactgncgn ccagtgccat gcagttngtc aacgtgggct actncctcat cgcagccggc 240
gtagtggctc ttgctcttgg antcctgggc tgntatgggtg ctaagactga gagcaagn gn 300
gccctcgtga cgtacttcta catcctcctc cn 332
```

<210> 2207

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

1477

<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (452)  
<223> n equals a,t,g, or c

<400> 2207  
ggccagcatt gcttctacca gctggcggca cttcgcggag gtggccttaca ttgtggaagg 60  
ggactttact ggtgttctcc ttccagaact agtagtttct atagtgttc tgctcagtaa 120  
aaatgctggc tcatgcaag aggctggagc tgtacctntg ctgggtggcc tgttggaaaca 180  
tctggatcgg ttcaaccatc tggcaccagg aaaggaacgg gatgatcatg aagagttagc 240  
ctgcctggca taatggagtc attttttaca ggtcagaact gtagaaataa tgaggaagtg 300  
acacttatac gcaaagctga tttggagaac cataataaan atggangctt ctggactgtg 360  
attgacggga aggtgtatga tataaaggga ctttcagaca cagtnggtaa caggaaatan 420  
tattctgctt aanttgnaag ggaaagaacc an 452

<210> 2208  
<211> 295  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



## 1478

<222> (60)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (109)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (222)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (248)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (278)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (280)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (283)  
 <223> n equals a,t,g, or c

<400> 2208  
 gattttaatta tnnnctagat tgtctgggca acggcagaaac ggagtgccac tgtggagcan 60  
 ataactgcag tgggttttcta ggagtgcggc caaagtcggc atgtgcgtna acaaatagaag 120  
 agaaggcaaa aaatgctaag ttaaaacaga agagacgaaa gatcaaaaca gaaccaaagc 180  
 atatgcatga agattactgt tttcaatgtg gagatggtgg anagctggtc atgtgtgaca 240  
 aaaaagantg tccaaagtat accaccttcc tattgccttn aanctgactt aagcc 295

<210> 2209  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (69)  
 <223> n equals a,t,g, or c

<220>

1479

<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<400> 2209  
ggaaagcgcc gagatgacgg gctttctgct gccgcccga agcagagggga ctcgagatc 60  
atgcagcana agcagaaaaa ggcaaacgag aagaaggagg aacccaagta gctttgtggc 120  
ttcgtgtcca accctcttgc ccttcgctg tgtgcctgga gccagtcca ccacgctcgc 180  
gtttcctcct gtagtgctca cagggtcccag caccgatggc attccctttg ccttgagtct 240  
gcagegggtc ctttttgtgc ttctttcccc tcaggtagcc tctctcccc tgggccactc 300  
ccgggggtga ggggggtacc cttttccagt gntttttatt cctgnggggc ttaccccaaa 360  
agtattaaaa agtagctttg naattcaaaa aaaatntant 400

<210> 2210  
<211> 381  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)

1480

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 2210

```
gtgnaacgtc cgacagaacg agggggacgta acggaggcag gttggagccg ctgccgtcgc 60
catgacccgc ggtaaccagc gtgagctcac ccgccagaag aatatgaaaa agcagagcga 120
ctcggttaag ggaaagcgcc gagatgacgg gctttctgct gctncccgca agcagaggga 180
ctcggagatc atgcagcaga agcagaaaaa ggcaaacgag aagaaggagg aacccaagta 240
gctttgtggc ttcgtgtcaa cctntttgcc cttegcctgt gtgectggaa ccaagtccca 300
ccangctcgc gtttcctcct tgtagtgtc acaggtccag naccgatggn attccctttg 360
cccttgantc tgcaacnggg g                                     381
```

<210> 2211

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature .

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

1481

<220>  
 <221> misc feature  
 <222> (9)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (58)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (447)  
 <223> n equals a,t,g, or c

<400> 2211  
 ggnccagnna aaaagtgtgn cctccatata cccaagaaat gagggtctta gcgaaagnac 60  
 ctaattcagc gtcttttgat gaaagatccc aagaagagat tgggatgtgg tccacgtgat 120  
 gcagatgaaa tcaaagaaca tctcttcttt cagaaaataa attgggatga tttagccgcc 180  
 aaaaaagtgc ctgcaccatt taagccagtc attcgagatg aattagatgt gagtaacttt 240  
 gcagaagagt tcacagaaat ggatcccact tattctcccg cagccctgcc ccagagttct 300  
 gaggaagctg tttcagggct attctttgtt gctccttcca tctattcaa acgtaatgca 360  
 gctgtcatag accctcttca gtttcacatg ggagttgaac gtctggagtg acaaagtgtg 420  
 ccaggagtgc aatgatgaag gactctncat tctatca 457

<210> 2212  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 2212  
 tgaaaaggac tcttggaag tgaaaacttt agatgaaatt cttcaggaaa agaaacgaag 60  
 gaaggaacaa gaggagaaag cagagataaa acgcttaaaa aataacaacg cttcttcggg 120  
 gaagtctttt tgtacttcca aatgtcgcag tctgatgacc gggattccaa gcgggattcc 180  
 cttgaggagg gggagctgag agatcaccgc atggagatca caataaggaa ctccccgtat 240  
 agaagagaag actctatgga agacatctcc ccacaactgc cactgctcac caggacaagc 300  
 tgcccttcct gtctccacct ctcatgcccc ctagaatgga tggctggggg agaggtggag 360  
 gctgacagct gagacgtagt gtca 384

<210> 2213  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

1482

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2213

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gaactgtctt cagtagttag ttcaagtgga acagaggggtg cttccagttt ggagaaaaag 60
gaggttccag gagtagatatt tagcataact caattcgtaa ggaatcttgg acttgagcac 120
ctaattggata tatttnagag agaacagatc actttggatg tattagttag gatggggcac 180
aaggagctga aggagattgg aatcaatgct tatggacata ggcacaaact aattaaagga 240
gtcgagagac ttatctccgg acaacaaggt cttaacccat atttaacttt gaacacctct 300
ggtagtggaa caattcttat agatctgtct cctgatgata aagagtttca gtctgtggag 360
gaagagatgc aaagtacagt tcgagagcac agagatggag gtcatgcagg tggaatcttc 420
aacagataca atattctcaa gattcagaag gtttgtaaca 460
```

&lt;210&gt; 2214

&lt;211&gt; 388

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (348)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (358)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

1483

<223> n equals a,t,g, or c

<400> 2214

```
ggtacagtc cc ggagctgagg ngaaggngtc cggggagtc ctgagcatct cctgtcaggt 60
gtctggatac accctcacca gttattggat caactgggtg cgccagatgc ccgggaaagg 120
cctggagtg atgggcaggc ttgatacttc tgactctttt atcaattaca atccgtcctt 180
cgaaggccac atctccatct cagctgacaa gttcatcagc accgcctatt taaagtggaa 240
caccttggag gcctcggaca ccgccatgta ttactgtgcc ctttcggggc gacaacaact 300
cgtccccgtc tactgggggc agggaaacca ggtcanccgn cttcttanca atcccganca 360
gncccaaagg ctttcgctg aacctttg 388
```

<210> 2215

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

1484

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>

1485

<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



1486

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2215

```
naattcggca nagccaaaat gtaccggggt gtgctggatg ccacgcagag gcagcttaca 60
gtcaccgtga ctagnaagt tctcagttag gttcaaggag aacagtgtgg ctgtcaaggt 120
cgtccagggc cctgcagggtg gtgacaacag naagntacgt tacaaaaaaa agggggagtca 180
ttgcttggnng gtgactntgc agttaggagg gggcaccatg cagagatggc anttncctcc 240
tcctgaacca gcactaatcn cncctttgncc tnnctttttt ggggggttnt ttaancncnt 300
tnnntngggg gggnganggt tnggggttta aantnccctt ttgggggggaa aaaaaaaaaa 360
aaaatttttg ggggggggnc cccg                                     384
```

&lt;210&gt; 2216

&lt;211&gt; 289

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (151)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (181)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (211)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (220)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

1487

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<400> 2216  
gattgaacag aagtatgcca tatagtacaa ttacagctat gttacaggat caaaattaat 60  
ttcaaacctt ccaaccaacc ctataagccg tctcatcagt ctctaataga ctcattttca 120  
gctattagat atggatgata tatgatgatt ncattatcat atttttcaag gacttactta 180  
ntggctgatt atcagtggta aatcctccaa ngagaaaatn gatgatctga agaaactggn 240  
gttagtgagt gccaagattn gaccaantgg gcatatgcct tgtggaatt 289

<210> 2217  
<211> 408  
<212> DNA  
<213> Homo sapiens

<400> 2217  
ctgggagcgc ctgccttctc ttgccttgaa agcctcctct ttggacctag ccaccgctgc 60  
cctcacggta atgttggaact cggtgacaca cagcaccttc ctgcctaata catccttctg 120  
cgatccccctg atgtcgtgga ctgatctgtt cagcaatgaa gagtactacc ctgcctttga 180  
gcatcagaca gcctgtgact catactggac atcagtccac cctgaatact ggactaagcg 240  
ccatgtgtgg gagtggctcc agttctgctg cgaccagtac aagttggaca ccaattgcat 300  
ctccttctgc aacttcaaca tcagtggcct gcagctgtgc agcatgacac aggaggagtt 360  
cgtcgaggca gctggcctct gcggcgagta cctgtacttt caattcct 408

<210> 2218  
<211> 614  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (553)  
<223> n equals a,t,g, or c

1488

&lt;400&gt; 2218

```
ccaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgncggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgaggaa aattgaacaa gatggacggg 120
tccaggaaag aggaggagga agacagcaca ttcaccaaca tttctcttgc agatgacata 180
gaccattcct caagaatttt gtatccaagg cccaaaagtt tgttacccaa gatgatgaat 240
gctgacatgg atgatctctc tgcaagagta gatgcagtta aggaagaaaa tctgaagcta 300
aatcagaaa accaagttct tngacaatat atagaaaatc tcatgtcagc ttctagtgtt 360
tttcaaacaa ctgacacaaa aagcaaaaga aagtaaggga ttgacaccct tctgttttat 420
ggaattnctg ctgatcattt tttcttttaa acttggatag attccaaaag ttacagtacc 480
tttgtggctt cattgaatat ttatgaagat aatgtcagat gtagacaaaa ataacacaat 540
aacaggagac ttncataagt ttgtgtatta tgttagtcta tgaaaacgtg caaatgtatt 600
gtagagactt tatg 614
```

&lt;210&gt; 2219

&lt;211&gt; 651

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (562)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1489

<222> (608)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (620)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (628)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (629)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (651)  
 <223> n equals a,t,g, or c

<400> 2219  
 gaaaagaaaa aaaatctctc cccgttgaac' aaaagatgca aagcgattga gaggggtccaa 60  
 agttattttta ttgatcaact gaataaatat acataaatgt tactttcttt ttctttactt 120  
 tatttttttt tccccattcc agatcctggg tgtttggctg acctacagat acaggaacca 180  
 gaaagacccc cgcgcgaatc ctagtgcatt cctttgatga gaaaacaagg aagatttcct 240  
 ttcgtattat gatcttggtc actttctgta attttctgtt aagctccatt tgccagttta 300  
 aggaaggaaa cactatctgg aaaagtacct tattgatagt ggaattatat atttttactc 360  
 tatgtttctc tacatgtttt tttctttccg ttgctgaaaa atatttgaaa cttgtggtct 420  
 ctgaagctcg gtggcacctg gnaattaatg ggattcaatg gccggcactn gncnnttggg 480  
 ccttnttaag cattttttacc tggcaaaaaa acttttggtg ggaccctctg ggttgggtta 540  
 atatggggaa atctgaacgt anaattttta ctgggaataa ataatatgaa ccctgggctg 600  
 gggaaaangg tcctactggn aaaaaganng ggaaattatt aaaatcagaa n 651

<210> 2220  
 <211> 569  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (27)  
 <223> n equals a,t,g, or c

1490

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>

1491

<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1492

<222> (408)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (436)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (512)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (520)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (529)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (531)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (537)  
 <223> n equals a,t,g, or c

<400> 2220  
 tgganggaaa gtggactccc cgccgtngcn gccactctaa aactantgna tcccccgggc 60  
 tgcattgaatt cggcaccgagg gctgttgccg accctgcacg gggcgcgtca catggtccgg 120  
 gacgcaccgg aaattccgca aggtggcagt ccagecncct gctcangatt ccggcctaac 180  
 ccggagctga cggaggcnct gaccaccagc ttcgtgcgga ggctgttctg gggtagccng 240  
 ggcgcgngaa ctccgctcgc tgaanctttg agaactncca gcgcattcctc nagegattcct 300  
 gtctcagcgc ctgngagcct gaccgctgaa nagecncgac aaccttcttc gtaccncggg 360  
 acccccaggt ttttgcgaaat ccngaataa ancnnngggag tcgtcacngg ctctcgcgc 420  
 ctcaaggtgg aaatcntggc ctgtgcctcc caaaacaaag tggggaaccc agtctcggtc 480  
 acctgggaac atggtgaaca tgtgaatgca anatctgggn atcggaagnc ngaattncaa 540  
 atgtgactcc acctcttgtg aagccgtga 569

<210> 2221  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<220>

## 1493

<221> misc feature  
 <222> (379)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (398)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (400)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (407)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (412)  
 <223> n equals a,t,g, or c

<400> 2221  
 gccccacgcgt ccggggaggat gagcaattcc ccagcatacc ggctctgggtt cacagttata 60  
 tgacaggcag gcgcccactg tcccaggcca caggggctgt ggtctccagg cctgtgactt 120  
 ggcaggggcc tctgcgacgc agcttttagcg aggacaccct gatggatggc ccagctcgga 180  
 tagagcctat cagggcaagg aagtggagca acagtcagcc tgcagatttg gcacatatgg 240  
 ggcagtcaag agaagacccc gctgggatgg aagcctccac catgcccata tctgccttgc 300  
 cccgaacgag cagttgaccc cgggtgttgc gaaggccctt gctccctggg aacttggtgc 360  
 cgacaagtct cagggcctnc gatgggcaac ttaagccnan gcaccancga ancc 414

<210> 2222  
 <211> 571  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (169)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (360)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (367)



1494

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2222

```

gcctccggga cttggaacgc cccgggtggg tgggtgccgg gcgtcctttc cccgcttctt 60
cccacctcgg ctgggtcccg ttcctcctgc gccagtgcg gacctgtctc ggcgcccget 120
gccctctcac cgccccacgc aggatcccgg cctggtcacc gggcagtgng atgcttcccg 180
actgccgcgg ggacagcgag gcacacacag ggcttggggc gcgccggagg ccacacggcc 240
tgggtgagtt gctcctgggc tcccgcctct cccaggcgac ccggaggtag catttcccag 300
gaggcacggg cccccccagg gggatgggca cagccacgcc agatggacga gaagaccaan 360
aaagcanagg aaatggccct gagcctcacc cgagcagtg ggggcgggga tgaacagggtg 420
gcaatgaagt gtgccatctg gctggcagag caacgggtgc ccctgagtg gcaactgaag 480
cctgagggtc ccccaacgca ggacatcaga ttcctcatgg ngcaaaatgg ccattccagc 540
tncatccagc catnacantn acagggagga a 571

```

&lt;210&gt; 2223

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1495

<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<400> 2223  
atntaattcc catcctaaac ccctttgnaa tacgcctcac tatagggaaa gctgggtacgc 60  
ctgcaggtac cgggtccggaa ttcccgggtc gacccacgcg tncggccant aagcaagctg 120

## 1496

gacaaaagaa gaaacaagga catgaccnaa aggctgctgn caaagctgcc ttaatatata 180  
cctgcactgt ctgtaggaca canatgncag accctaanac cttnaagcag cactttgaga 240  
gcaagcatcc taagactcca nt 262

<210> 2224  
<211> 319  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<400> 2224  
gtaaataaca gatgcgggtg aaagatccaa ctaaagcttt acctgagaaa gccaaaagaa 60  
gtaaaaggcc tactgtacct catgatgaag actcttcaga tgatattgct gtaggtttaa 120  
cttgccaaca tgtaagtcac gctatcagcg tgaatcatgt aaagagagca atagctgaga 180  
atctgtggtc agtttgcctca gaatgtttta aagaaagagg attctatgat gggcagctag 240  
tacttacttc tgatatttgg ttgtgcctca agtgtggctt ccagggatgt ggtaaaaact 300  
caganagcca acattcatt 319

<210> 2225  
<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

1497

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2225

```
atattgaaag ttggggcgcc tgcaggtacc ggtccggaat tcccggggat ttcaactcct 60
agctttttcat cctactataa aggaggattt gaacagaaaa tgagtaggcg agaagctggt 120
cttatttttag gtgtaagccc atctgctggc aaggctaaga ttagaacagc tcataggaga 180
gtcatgattt tgaatcacc agataaaggt ggatctcctt acgtagcagc caaaataaat 240
gaagcaaaaag acttgctaga aacaaccacc aaacattgat gcttaaggac cacactgaag 300
gaaaaaaaaa gaggggactt cgaaaaaaaa aanaaaaggcg cgggcgctct agaggatcca 360
agcttacgta cgctgcatg cgacgtcata gctcttctat agcggcacct anattaattc 420
actgcncnnc gttttacaac gtccgactgg aaaaaccct ng 462
```

&lt;210&gt; 2226

&lt;211&gt; 493

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2226

```
taanggnaca aagctggngc tccaccgcgg tgnccggcgc tctagaacta gtggatcccc 60
cgggctgcag gaattcggca cgaggaggag agcatgaatg agagtcaccc tcgcaagtgt 120
gcagagtctt ttgagatgtg ggatgatcgt gactcccact gtaggcgccc taagtttgaa 180
gggcatcccc ctgagtcttg gaagtggatc cttgcaccgg tcattcttta tatctgtgaa 240
```

## 1498

```

aggatcctcc ggttttaccg ctcccagcag aaggttgtga ttaccaaggt tgttatgcac 300
ccatccaaag ttttggaatt gcagatgaac aagcgtggct tcagcatgga agtggggcag 360
tatacttttg ttaattgccc ctcaatctct ctccctggga tggcatcctt ttactttgac 420
ctctgctcca gaggaagatt tcttcttcat tcatatncca gcagcagggg acttgacaga 480
aaatctataa ggg                                     493

```

```

<210> 2227
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

```

```

<400> 2227
gtcnnncngac agtgacngta cngtattccc gggtcgaccc acgcgtccgg taaaattctg 60
ggctctggta tcagttcctc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa 120
gtgatgtaac atctgtcaaa gatgcaaaaa tagcagtgtg ctcttgtcct tttgatggca 180
tgataacaga aactaaggga acagtgttga taaagactgc tgaagaattg atgaatttta 240
gtaagggaga agaaaacctc atggatgcac aagtcaaagc tattgctgat actggtgcaa 300
atgtcgtagt aacaggtggc aaagtggcag acatggctct tcattatgca aataaatata 360
atatcatgtt agtgaggcta aactcaaaat gggatctccg aagactttgt aaaactgttg 420
gtgctacagc tcttcctaga ttgacacctc ctgtccttga agaaatggga cactgtgaca 480
gtgtttactc tccagaagtt tggagatact caggtggttg                                     520

```

```

<210> 2228
<211> 538
<212> DNA
<213> Homo sapiens

```

1499

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

## 1500

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (538)  
<223> n equals a,t,g, or c

<400> 2228  
tttacaactt cnttcnnngg ggggaaaaaa aaggcccttg gggtttaacc cggccccctt 60  
tgGCCcAAaag gggtttaacc cccggggggt ncccccgggg aaaaattttt cccccggggg 120  
gggttnccgn aacccccaaa cgncccggt tccccggggc cggggggggn aaccggaaac 180  
cgnttttgga aaaaagcccc caattggggg cccccgggct ttaccggtt cccaaaggga 240  
aactttttcc ccaaccccc aagaacttg gttttggggg ttcttgaacc cgggcttncc 300  
aaccaaaaca agggtttgcc ccaangctta gtcacaagtt acccgcggtg tacttacaat 360  
tgccgggccc caaggatgaa gaccangact acatctggac cactcattgc atctacctgt 420  
aacctgacgg ctttacggat actacggcga caatcgctac agattaacat gtcgngnaca 480  
tgcggttcna tgctgtttac cactgatctg cccatattaa cggctggtta aaaaaann 538

## 1501

<210> 2229  
<211> 554  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (549)  
<223> n equals a,t,g, or c

<400> 2229  
gcgcgcgggt cgcactttcc aggtttcttc cccaggggaac agagcttgag cgggggggcca 60  
cccccccgtc ctaccggagt tctgaggtgc ggtcaggcgc ggagagcgga cgcccagcgc 120  
cagattctgt gggctccgga gttcaggccc actgagccgc agctgagcac aggcgggggca 180  
ggaaaaagga tgaggtgagg gaaggcgcgtg ggttcctgga accccaaggg agcactgagc 240  
tgagtaagtt ngttcctgtc aattgggaac cccctcaacc acttccattc cccaaatacc 300  
tgcgctgcta ccgatgcctc ttggagacca aggagttagg gtgccttctg ggatctgaca 360  
tctgcctcac cccagctggc agcagctgca tctctctcca caaaaagaac agcagcgggt 420  
ctgacgtcat ggtgagtgac tgccgaagta aggagcagat gagtgattgt tcaaataccc 480  
gaacttctcc ggtgtctggc ttctggatat tctctcaata ctgcttctctg gatttctgca 540  
atgaccctna aaac 554

<210> 2230  
<211> 266  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c



1502

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<400> 2230  
gcagctgtac aatgccatct tcaatcatta ctctgaaaaa tgggaattcag aacatgctgc 60  
agttttatat tccggaggta gaaggcgtag aacaggttat ggatgatgaa tcagatgaaa 120  
aagaagcaaaa ctcaccttaa aataatctgg attttctttg ggcataacan acagacttgt 180  
tgatnatata tatcaagttt ttattattaa tatgcntgag gaacttgaag atnaataaaa 240  
tatgctcttc atanaatgat atttct 266

<210> 2231  
<211> 295  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)

## 1503

<223> n equals a,t,g, or c

<400> 2231

```
gttcagctcc aaaagcccct gccacacctg gggcacagnt ggcacctgat gtgagactgc 60
tctatgtgct agccattgcc gcgcttggtg gcctctgcct catcctggcc tctccctcc 120
tctatgtggc ctgtctgcgg gaaggcagac gagggcgccg acggaaatac tcaactgggtc 180
gggccaacnc gggcaggagg atctgcggtg caactgcatg acagtcttaa gccantgtcc 240
tgnanaggaa gatgaggggtg atgatgaagg gggcttnggg gccttgaagg gcaan 295
```

<210> 2232

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 2232

```
gtcgggtgtg agtnnttttca gcaacccggt ccagtactgg gagatacagc catccacctt 60
cagatgtgtc tacgtgcgct ctgccattca actcggaac tataagtaat tctcaagaaa 120
gccctcattt ttataacctg gcaaaatctt gttaatgtca ttgctaaaaa ataaataaaa 180
gctagatact ggaaacctaa ctgcaatgtg gatgttttac ccacatgact tattatgcat 240
aaagccaaat ttccagttta agtaattgcc tacaataaaa agaaattttg cctgccattt 300
tcagaatcat cttttgaagc tttctgttga tgttaactga gctactagag atattcttat 360
```

1504

ttcactaaat gtaaaatttg gagtaaatat atatgncaat atttagtaaa gcttttcttt 420  
tttaatttcc aggaaaaaaa taaaagagta ttgaagnctt ctgnaattca ttnagcaagt 480  
agnt 484

<210> 2233

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1505

<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)

1506

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

1507

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

1508

<220>  
<221> misc feature  
<222> (464)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (476)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (493)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (496)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>

1509

&lt;221&gt; misc feature

&lt;222&gt; (505)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2233

```
aattcggcac gagcaagtgc cttgaaacag tatttnagga gtcttccaga gcctctnatg 60
acctatgagt tacatggaga tttcattggt ccagccaaaa gcggcagccc agaatctngt 120
gttaatgcga tccatttctt ggtacacaaa ctgccagaga agaataaaga gatggttgat 180
attttggtga aacacttaac aaatgtttna aatnactcca agcagaaccn gangactgtg 240
gcaaacttag gagtgggtgtt tggaccaact ctgatgaggc cacaggaaga aactgtngct 300
gccctnatgg actttgaagt ttcagantat tgttgtggga aatcttaatt ggaaaaccag 360
gaaaagggtt tttnggncgn nncnngnat taaattnnnn gngnccanct nncttntaaa 420
gnatnanccc gnaantgggg ncagcaaggn nanttgngg ngtnaagggc cagnngncca 480
gggggnccgn ggncgnnttn aaatnttt 508
```

&lt;210&gt; 2234

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (387)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2234

```
gggcgtggcg gcgctgtgcg cgtgcacaaa agagagctga ggggcggggg cgctgcggca 60
cagctggttt gagcaactga actggaaaca agatgcagga ccccaacgca gacactgaat 120
ggaatgacat cttacgcaaa aagggtatct tccccccaa ggaaagtctg aaagaattgg 180
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattcggaga agttttggag atctcangga aggattatgt tcaagaagtt accaaagctg 420
gcgagggcctt gtnggtcatc ttgcaccttt acaaccaagg aattccc 467
```

&lt;210&gt; 2235

&lt;211&gt; 476

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



1510

<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

<400> 2235  
ggcttctaag tattctttct agtcatgtga ataggtaatt tgagaaatac atgctcactg 60  
ttcaatactt ttccattatt ttctctcttt tttatagagc taatgtcaaa ccccgaaatt 120  
ccacaccacc tagtttggca agaaatcctg ccccggtgt gcttacaac aaaagaaaaa 180  
catatactga gagctacata gccaggccag atggggactg tgcactctcc cttaatggtg 240  
gaaatattaa aggcattgaa ggacattcac ctggaaactt accaaaattc tgccatgagt 300  
gtgggactaa ataccctgta gaatnggcc aattttgctn tgaatgtggc attcgaagaa 360  
tgattctatg aatagaatct caaaaaaaaa aaaaaaaaaa caagttcaaa agtttatgat 420  
tattgntgnt tggncagct anaacacatc cttaattaan tttgggctaa aaatct 476

<210> 2236  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1511

<222> (413)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (420)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (425)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (426)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (475)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (478)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (512)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (513)  
 <223> n equals a,t,g, or c

<400> 2236  
 tgcacccacg cgtccgcagt ttttccaggc gtgacagaca tggcggcggc ttttcggaag 60  
 gcggtctaagt cccggcagcg ggaacaccga gagcgaacca gcttggcttt cgaaaacatc 120  
 tgggcctgtt ggagaaaaag aaagattaca aacttcgtgc agatgactac cgaaaaaac 180  
 aggaatacct cagagctctc cggaagaagg ctcttgaaaa aaatccagat gaattctact 240  
 acaaaatgac tcgggttataa ctccaggatg gattccacgt tattgaagga gactgaaggg 300  
 aggaagtga ctcgcagaac aactggaaac tgatgagaac ccagggtgtc caaatatgat 360  
 gagaaatgga aaagggtttg ccgggaactg aaggaaaatt ggaaaganga aantccgagn 420

## 1512

tcccnctgg ctgggatttt cccgggggaa gccngccgga tgaagccatg tggtnntntt 480  
tttgaccac ccaaaaaggg aagttggagc cnnttgatg ttggcca 527

<210> 2237

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

1513

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2237

```
gaatgacttt atgggaatca cgctcgcttc tagccaggct gtcagcaacg ccaggaanct 60
ggagtggcca ctgacggaag ttgcataang tgtttttgaa ancgangccc cgggangata 120
taagttctat ttgcaaaatc gcagtctgcc tcagtcanat cctgtattaa aagttactct 180
ngcagtgtct gatcttcaaa aatccttgaa ctactggtgt tatctactgg gaatgaaaat 240
ttatgaaaaa tattataaaa gctatcgggc ttgcttgggc tttctgaaaa acccttggtta 300
anctggancn acaggcntca aggggtggggt gaaacatncc cc 342
```

<210> 2238

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

## 1514

<221> misc feature  
 <222> (41)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (280)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (292)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (346)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (358)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (397)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (416)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (423)  
 <223> n equals a,t,g, or c

<400> 2238  
 gttgngacgc gcttccacac tgatagtata cttnatttnc naccagtta aagctggtac 60  
 ccctgcaggt accggtccgg aattcccggg tcgaccacg cgtccgtgga gctgaatgag 120  
 ttgctcctgg acaaaaacca ggagccccag tggcgggaga cagctcgtg gatcaaattt 180  
 gaagaagacg tggatgaaga tgcccatgat tcagaggcca aagtggcgag cctgagagga 240  
 atggagttac aggggtgcgc cagcactcag gttgaatcan aaaataacca anaagaacag 300  
 aaacaggtgc gcttaccaga aagccgtctg acaccatggg aggtgngggtt tattggcnta 360  
 gaaaaagaag aacgtgaccg gctgcacatc aaagctntag aggaattaaa tcaacnctag 420  
 aanaagaa 429

<210> 2239  
 <211> 205

1515

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (157)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (196)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2239

```
gccccacgcgt ccgccccacgc gttcgggaaa atgagtacca ggcgtncagc gttcccccca 60
cccgctgtgt aataaaggag ccttccaagc gtgtggggca ttttcgtgga ctacagaatt 120
ggaaagcatn ttctttttaca atgtgaaaag caagatncca catttataca ttngncagat 180
ggtttttttt ttgggnccct ttaaa 205
```

&lt;210&gt; 2240

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1516

<222> (249)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (255)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (257)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (258)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (259)  
 <223> n equals a,t,g, or c

<400> 2240  
 aattcaatga agcgcgggta aacggggggg agtaactatg actctcttaa ggtagccaaa 60  
 tgcctcgtca tctaattagt gacgcgcatg aatggatgaa cgagattccc actgtcccta 120  
 cctactatcc agcgaaacca cagccaaggg aacgggcttg gcggaatcag cggggaaaga 180  
 agaccctgtt gagcttgact ctagtctggc acggtgaaga gacatgagaa ggtgtaaata 240  
 aagtgggang cccncnnnc cccc 265

<210> 2241  
 <211> 483  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1)  
 <223> n equals a,t,g, or c

<400> 2241  
 naccaccctc actaaggga caaaagctgg agtccaccg cggtgacgac cgctctagaa 60  
 ctagtggatc cccggggctg caggaattcg gcagagcaaa accaatggta ggaaatgttt 120  
 ttaggggaatt gggctaattg atagcaatgc agtgatagga tcttaaaata acagtgacaa 180  
 ggtcgtagtgt ttttaactgtc agataaatgg caaggtcaaa gtggcagtca ggaggagtta 240  
 cttgaggaga tcagtggagt tggttaatag aaaataatat tcttaagggc aagatagatg 300  
 ggcagctaac aaggctatat cttgaacaat ataattgaaa gaaattatta aaaaacggtt 360  
 gattaagagg caaagtgcaa ctacacaaat taaaaaagcg ttatcccttg actagtttct 420  
 gatcctgagc cagtgttagt gcctagaacc cattgatcaa aaaaagaggt tgaatgtaca 480  
 gga 483

1517

<210> 2242  
 <211> 552  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (9)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (238)  
 <223> n equals a,t,g, or c

<400> 2242  
 ggcngnacna accctcacta aaggggaacaa aagctggagc tccaccgcgg tgacggccgc 60  
 tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggggtata caggaaatgg 120  
 ataatactgt aacaatctgc agctgtctca tatgttatat aaagaatgaa ctcataacag 180  
 tgagaaaagg gtatgtagtg cttttatgaa tactaaaaaa atagggtcaaa ttcctggnat 240  
 atgtatgact tggttttatt ataattatga aaccctttaa cctattattc ttttaaatac 300  
 aagcagaaat acaagacatt gccattacca gttagcttta atagactcaa gaaacaaaat 360  
 agtctcttaa gttttatgta agtgataaaa taaactaaga gttcctcata gatataatac 420  
 ttgaaaaatg gtttctagtt agtgacggtg gaataaaatc attttcttac tctcttctct 480  
 tgaatgccaa tgaaaagaaa atcaaacaaa agatagaaaa tgtcaatttc aaagacacaa 540  
 acaatcaaac aa 552

<210> 2243  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c



1518

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<400> 2243  
ancntgncac cnaaccctca ctaaagggaa caaaagctgg agctccaccg cgggtgcngtc 60  
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgttcgg cacgagcaaa 120  
agatacaaac ttagtatttc caggcattga acagcaggct ttccaggact gtcaccttg 180  
agaaaatgga gatacatgag gtgagcccca cgtttctccc acctttctgc tcagctttct 240  
gcgacagagc acgttccccgt tgcagcaca gtggagctgc agtatcagaa cctaaggagg 300  
cagagagtgg aattctgggt tgctggcatg actggaatat ttgctagaga ggaggaactg 360  
ctccaagaag ttctagaagt ctctggacat tcaaactagg tcctgagaac tgtatatatt 420  
aaatgcttgc attggaactg ttttaaacca atgatctcaa gtctttgtct taagttagaa 480  
aaagaagggc aaattaaacg ccaagttaat agaaggaata aaatagcaca 530

<210> 2244  
<211> 200  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

1519

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<400> 2244  
tggnttttnn ntntaactc gaattaccct cactaaaggg aacaaaagct ggagctccac 60  
cgcggtggcg gccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagc 120  
gctnagccgt cccttctcgn catgtcccag agcangcacc gcgccgaggn cccgccgctg 180  
gaacgcgagg acagnngggac 200

<210> 2245  
<211> 127  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

## 1520

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<400> 2245  
acggcacgag gggggggcccg gtacccaatt cgccctataa tgagtcgtat tacaattcac 60  
tgcccgctgt tttaacaant cgtgactggg aaaacccana caccnctcct tctttntang 120  
gccccct 127

<210> 2246  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

1521

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<400> 2246  
tgggggaggn ggntcctcta cttaaaggna acaaaagctg gcccncccc cgcaagtggc 60  
ggctgctcta gaactagtgg atcccccggt ctgcaggaat tcggcacgag cggcacgagc 120  
ggcacgaggg gggggcccggt acccaattcg ccctatagtg agtcgtatta caattcactg 180  
gccgtcgttt nacaacgtcg tgactgggaa aaccaanga ntnganatt 229

<210> 2247  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

1522

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<400> 2247  
gctcgtgccg aagggggggcc cggtacccaa ttgcgcctat ngtgagtcgt attacaattc 60  
actggccgctc gttttacaac gtcgtgactg ggaaaaaccc annncntct c 111

<210> 2248  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<400> 2248  
gcggcacgag gggggcccg g taccaattcg ccctatagtg agtcgtatta caattcactg 60  
gccgtcgttt taaacgtcgt gactgggccc naaaannnn 99

<210> 2249  
<211> 165  
<212> DNA

## 1523

<213> Homo sapiens

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<220>

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<220>

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<222> (159)

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<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<400> 2249

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attaaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtgggg gcccggtacc caattcgccc tatagtgagt cgtattacaa ttcactggcc 120
gtcgtttttac aacgtcgtga ctgggaaaac ccaantcnnt tntnc 165
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<210> 2250

<211> 573

<212> DNA

<213> Homo sapiens

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<220>

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<222> (66)

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<220>

<221> misc feature

<222> (76)

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1524

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<220>  
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<220>  
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1525

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<220>  
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<220>  
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<220>



1526

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<220>  
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<220>  
<221> misc feature

1527

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2250

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tgattctccn cttcgaaagg tcccttcact aaaagggaac aaaagcggca gctccaccgc 60
ggtggnggtc gttctncaac tagtggatcc cccgggctgc aggaattcgg tacgagccag 120
agaccanccc atgaagagtg gtgggtggtt tattcactgg aaatggtgcg ttnttgctnn 180
ccnaaaacnc acgtnnactt cngaggaatg atgggcaa atctggtctnctn tggntgaaac 240
ccttnttttc ccttagatgc tttaaccttn gttgggtttcg gctntagggt tcatagtcnc 300
ttctgttccc ttctccattc tgganaagga cttcccctac atacaccctg attncttgtn 360
gctgtgggga ttggacgtaa cattcaaaga tcntatgtgc tttcctcact tcggatataa 420
acactctggg ttttacagca atnancgtcc taaccttcac ngnganaaat aaaacatctc 480
tcttctactc ctgctgtttc atgcgccact cctttgggggt ctttntcaat ttgttgaact 540
cctancttcn ttccctanaa atttccangt acc 573
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&lt;210&gt; 2251

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2251

## 1528

gcggcacgag cggcacgagg gggggcccggtacccaattc gccctatant gagtcgtatt 60  
 acaattcact ggccgtcggtt ttacaacgtc ntgactggga aaccnaaaa nn 112

<210> 2252  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

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<220>  
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 <222> (236)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (244)  
 <223> n equals a,t,g, or c

<220>  
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<400> 2252  
 gggggggggg gttggttaat tatttccctc ttcaaaaatta accctccnct aaaaggaaca 60  
 aaagctggag ctccaccgcg gtggcgcccg ctctagaact agtggatccc ccgggctgca 120  
 ggaattcggc acgagcggca cgagcggcac gagggggggc ccggtaccca attcgcccta 180  
 tagtgagtcg tattacaatt cactggccgt cgttttataa cgtcgtgata ccccnaaaa 240  
 aannttn 247

<210> 2253  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>

1529

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<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
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<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<400> 2253  
gcggcacgag gggggggcccg gtacccaatt cgccctatng tgagtcgtat tacaattcac 60  
tgcccgctgt tttacaacgt cgtgactggg aaaacnnaaa tnn 103

<210> 2254  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (109)  
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<220>  
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<222> (111)

## 1530

<223> n equals a,t,g, or c

<400> 2254

gcgggcacgag cggnacgagg ggggggcccgg tacccaattc gccctatngt gagtcgtatn 60  
acaattcact ggccgctcgtt ttacaacgtc gtgactggga aaaccaant n 111

<210> 2255

<211> 187

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (16)

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<221> misc feature

<222> (20)

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<222> (93)

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<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

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<221> misc feature

<222> (152)

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1531

<220>  
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<400> 2255  
taagggaana tttggngccn ctccaccaaa aagtggcggt ttgctctaga actagtggat 60  
cccccgggct gcaggaatcc ngcacgagcg ganacgaggg ggggcccgt acccanttcg 120  
ccctatagtg agtcgtntta caattcactg gncgtcgttt tacaacgtcg tgactgggaa 180  
aacccan 187

<210> 2256  
<211> 155  
<212> DNA  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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1532

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<220>  
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<222> (120)  
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<220>  
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<222> (154)  
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<400> 2256  
ctgctaattct aaggtntcct cntnaataaa gggaacanaa ggcccagctc cacnaaaggt 60  
ggcggttcgct ctagaactag tggatccccc gggctgcagg aatccggnac gagcgnaann 120  
agggggggcc cggttcccaa ttcggcctat attna 155

<210> 2257  
<211> 125  
<212> DNA  
<213> Homo sapiens

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<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
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<222> (116)  
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<220>

1533

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<220>  
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<400> 2257  
gcgggcacgag ggggggccccg gtacccaatt cgccctatan tgagtcgtat tacaattcac 60  
tgggcgtcgt tttaacaagt cttgactggg aaaacccaaa tnnntttctn tgtttnttcn 120  
ttncc 125

<210> 2258  
<211> 112  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (111)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<400> 2258  
gcggcacnag cggcacnagg gggggccccg tacccaattc gccctatant gagtcgtatt 60



## 1534

acaattcact ggccgctcgtt ttacaacgtc gtgactggga aaaccnaaa nn

112

<210> 2259

<211> 120

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

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<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

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<220>

<221> misc feature

<222> (112)

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<220>

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<222> (113)

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<220>

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<400> 2259

ancggcacga ncggcacgag ggggggcccc gtaccaatt cgccctatan tgagtcgtat 60  
tacaattcac tggccgctcgt ttacaacgt cgtgactggg aaaacccaaa nnnttttcen 120

<210> 2260

<211> 197

<212> DNA

<213> Homo sapiens

1535

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<220>  
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<222> (96)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<400> 2260

## 1536

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tncctntaat taaaggcccc tngaggcacc cgcggtgnaa gacgctctat ttctagtgga 60
tcccccgggc tgcaggaatt cggcacgagt ggcccnaggg ggggcccggt accctcttcn 120
ncnttttagtg agtcgtatta caattcncgt gccgtcgttt tacaacgtcg tgnctgggaa 180
aaccatggtt tggtgac 197
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<210> 2261

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

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<220>

<221> misc feature

<222> (46)

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<220>

<221> misc feature

<222> (91)

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<220>

<221> misc feature

<222> (229)

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<222> (231)

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<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

1537

<221> misc feature  
<222> (236)  
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<220>  
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<222> (238)  
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<400> 2261  
tgcggcggng aggagagagn tgctcgcnc ttaaccctca aataantggg aaaaaaatct 60  
ggagctccac cgcggtggcg gacgctctag nactagtgga tcccccgggc tgcaggaatt 120  
cggcacgagc ggcacgaggg ggggcccggt acccaattcg ccctatagtg agtcgtatta 180  
caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccagcna nnaganangg 240  
gc 242

<210> 2262  
<211> 145  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (8)  
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<220>  
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<222> (9)  
<223> n equals a,t,g, or c

<220>  
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<222> (31)  
<223> n equals a,t,g, or c

<220>  
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<222> (47)  
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<220>  
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<222> (137)  
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1538

<220>  
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<222> (140)  
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<220>  
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<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<400> 2262  
ngtggagnng aagggatatat tcgcttagct ngccaattaa ccctcantaa tgggaacaag 60  
acctggagct ccaccgcggt ggcggccgct ctagaactag tggatcccc gggctgcagg 120  
aattcggcac gagggtnatn nantc 145

<210> 2263  
<211> 373  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (4)  
<223> n equals a,t,g, or c

<220>  
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<222> (19)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>

1539

<221> misc feature  
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<220>  
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 <222> (320)  
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<220>  
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 <222> (334)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (340)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (342)  
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<400> 2263  
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 tcgatatcaa gcttatcgat accgtngacc tcgagggggg gcccggtacc caattcgccc 120  
 tatagtgagt cgtattacaa ttcaactggcc gtcgttttac aacgtcgtga ctgggaaaac 180  
 cctggcggtta cccaacttaa tcgccttgca gcacaatccc cctttngcca gcttggagta 240  
 ataagcgaag aggcccgcac cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa 300  
 tgggacgcgc cctgtagcgn tgcattaagc gcgnnggtgn gntgggttacc cgcagtgtga 360  
 ccgctacact tgc 373

<210> 2264  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (3)

## 1540

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<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 2264

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ngnaaggtga nagcaacccg cactaaaggg aacaaaagct ggagctccac cgcggtggcg 60
gccgctctag aactagtgga tccccgggc tgcaggaatt cggcacgaga tttccaggta 120
gatttctcag ccagctctaa aacagattgc tttttcagtg gccttactct ttgtggggtt 180
tttttttttt ctctgaactt gatataaaga ttttatttgt cccttgaaaa agtaacaaat 240
gtgcatagat caatttgtac tactttgggc attggatatt tctgacctt attgcattgt 300
acctaaagga gagtaactaa tggtaacctt tttaatagag tatgtgaaag gtagtggctg 360
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gacctcgagg gggggcccg taccgaattc gccctatagn gagtcgnatt acaattcact 180  
ggccgctcgg ttacaacgnc gagactggga aaaccctggc gntacccaac ttaatcgncn 240  
tgnaggacat ccccttttcg ncagntggcg taatagegaa gagggccgna ccgancgcct 300  
tccaacagnt gcgcagcctg aatggcgaat gggacgcgcc ctgtacggng cattaagccg 360  
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&lt;221&gt; misc feature

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actttcggcc ctgggaccaa agtggatata aaacgaactg tggctgcacc atctgtcttc 180
atcttccgcg catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 240
aataactttc atcccagnga ggccaaagta cagtgggaagg tggataacgn cctccaatcg 300
ggtaactncc aggagagtgt cacagagcag gacagcaagg acaganctac agcctcagca 360
gcacctgacg gtgagcaaaag cagatncggg gaacacaagt ttaggcttcg agtcancnt 420
cagggctnag ntgnccgtna aaagngttta acaggngngt ntngagggga gtnccactg 480
ttcttattca gctnaccct                                     499

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&lt;210&gt; 2267

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;220&gt;

&lt;221&gt; misc feature

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&lt;220&gt;

&lt;221&gt; misc feature

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&lt;400&gt; 2267

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ctacaaaactc cattcacttt cggccctggg accaaaagtg atatcaaacg aactgtggct 120

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## 1545

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gttgtgtgcc tgctgaataa cttctatccc agagaggcca aagtacagtg gaaggaggat 240  
aacgccctcc aatcgggtaa ctcccaggag agtgtcacag agcaggacag caaggacagc 300  
acctacagcc tcagcagcac cctgacgctg agcaaagcag actacgagaa acacaaagtc 360  
tacgcctgcg aagtcaccca tcagggcctg agctcgcccg tcacaaagag cttcaacagg 420  
ggagagtgtt agagggagaa gtggcccccac ctgctnctca gtttcagcct gaccccttcc 480  
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 ctctgcgttt atggaataca actgaagttg ctccagcaact aantgtatatt aatgatacta 180  
 aagaactggg aatccctgcc tctgtggatc tantgagcan tgacccgagc catatngtat 240  
 catcattcag caagggatat acaaacattt ttaacatgga aacacaacaa cgcattctca 300  
 ctttanaatc caatgtaata caacanccaa ctcttctctgc caaatnaatt nnantcatca 360  
 ntctcctact cttccgatca acatcctgct ccttaaaaaa ngcnatccaa ttctatnata 420  
 acnattccgg caaatnatcc ctccatggtn ccccccttaa actntttcaa ttttaacctt 480  
 ttaacccccag ggccttacct tnanattttg gccnccccaa aatttcnnaa cnttttttgg 540  
 aacccccaaaa ttttaaaatt ttttcccaa aaatcccccc nccccncnaa aaatttttta 600  
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1549

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1550

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ccggcggagt gtctgtgctg ccgggtctgca gcaccgcccc cgcttccgc acgcgcctg 240  
ctcaccgca ctcccttcc tctgcccggc tctctctgt gctcgtctgc gctccgcacg 300  
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ggcgggcccgg ccttgctcgg tcttccgggc gggcggtgga ctccgtcccc tggctggacc 420  
atggtgaaca cccggaagaa ctctnttcgc ttctcgggtn cnagtcttct ggtcccggcc 480  
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1551

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1554

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ctgacttccg gggccactgg gtgctgatat tctttggctt cactcactgc cctgacatct 180  
gcccacaaca actggaaaaa ctngtgcaag tngtncgaga gctgnaaaca aanctgggtt 240  
tcctccagtn cacctgtctt catcactgtt gaccccaacn ggatnacttt aacctgncc 300  
nctacttcaa ganttcacc ccnantgtt nggtctnacc ggctcccaa anatgttgcc 360  
cnngetaatc ccattncgc tttnttcaa ttcngggcc ncatnaagg aacatgaata 420  
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## 1555

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gttc 184

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1556

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<220>

1557

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<220>  
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<220>  
<221> misc feature



1558

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<220>  
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<220>  
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<222> (509)

1559

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<220>

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<222> (516)

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<222> (663)

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<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<400> 2272

cgtggggctg gagctccacc gcggtggggg gccgctctat aactaatgga tcccccgggc 60  
tggatgaatg cggcccagagg tnatgtctca caaanagtnc tccgcnccca gacatgggtc 120  
ccnngcttc ctgcctcggg agcgcanac cnggnntcgt gggaagggtga anatcttccc 180  
taaggatgac ccatccaagc cgtccacct cacatccttc ctgggataca aggctggcat 240  
gactcacatc gtgnggggaag tgcacaggcc gggatccang gtgaacaana aggaggtggt 300  
ggaggcngtn accattgtng agacaccacc catggtgggt gtgggcattg tngcnacat 360  
gaaaaccct cgangcctcc ggaccttcn tactgtcttt gctgancaca tcagtgatga 420  
atgcannagg cgtttctatn nnaattggcn ttcattctaat aacaangcct ttaccatnta 480

## 1560

```

ctgcannaaa tngcaggatn aggatngcna gaagcngctg ggagaangac ttcagcagca 540
tgaaaaaata tgcccagtca tccgtgtcat tgcccacanc caggattcgc ctgcttcctc 600
tgcgccagna aaaaaggcca cctgatggaa catccnggtg aaccgaaggn ggtggtggcc 660
ganaaactng gacttggggc c 681

```

<210> 2273

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<400> 2273

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ggcagagnca gatatccatg tgtggaagct ctgagtcact gaatagcaaa gaaaaatatg 60
aaagcaagag gaattgcttt cacatctaga aaatgttgca agataatctg aaatcttctg 120
gtgctgggtga atgcatgaag aggttcacag tatcttttaa agtacttctg gaaaagataa 180
ggagtttaaa aggtgggtgt gtacactggg cactgagctg cagtaggatt tttccttggg 240
atagtctggt ctggagctgg gacacagctg cnccttgggg aaaggccccg tngcaagatg 300
attggaagna attctccctt attggtaggc ctntgacggc cctntttttc agcca 355

```

<210> 2274

<211> 100

<212> DNA

## 1561

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

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<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 2274

gggattccca aagctgacat cacgtgggag ttaccggata aggngcatct gaaggcangg 60  
gttcaggctc gtntgtatgg aaacanattt ctnnaccccc 100

<210> 2275

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

1562

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<222> (38)  
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<220>  
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<222> (55)  
<223> n equals a,t,g, or c

<220>  
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<222> (153)  
<223> n equals a,t,g, or c

<220>  
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<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
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<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
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<222> (279)  
<223> n equals a,t,g, or c

<220>

1563

<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
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<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (371)  
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<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (411)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<400> 2275  
ggcaaagn tn tnaataccac tatgcatggc ttattgtncg ccaccaaata aacantatac 60  
cacagctatt taatatgtat ttcaacacta taccacacgc tatataatgt gtatttcagc 120  
aaatatacca caactatttta atgtgtattt cancantata ccacaactat gtgatgtgta 180  
tttcaacaat atgccacagc tntttaatat gtntttcaaa atnacacgca gtccttgctt 240  
tgcatanata tgntgaaacc ataagaaatc accataactnc tgagactcta canaancagt 300  
gttnnatcat cagtgaagg aaattattat tctgtcacct ttacattttt atgtaaaaat 360

## 1564

attgaaaact ncaataatcn actataaaag gttcnaatta agaaaaaatt naagaatata 420  
 tataangttc atattattca tacctc 446

<210> 2276  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (329)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (420)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (422)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (428)  
 <223> n equals a,t,g, or c

<400> 2276  
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 tggcagcagc tttcctcatg gcggccagta cgttgctcag ctccctccgc ttcctcttgg 120  
 cgcggatgtg cgtccccacc cttttcttga taaatttgag ggcccgtttg tccttggaga 180  
 ccttcagtaa ctccatggcg cgccgctcgt acggggcaaa gccacacacc tcccgaatca 240  
 tgtcccgcac gaacttgggtg tgtttgggtca gacgcccgcg gcgtcgggct gtgcctgggg 300  
 cttgctcaag ttcttgggtca ctttgtggnc cttgttgaag gcccacgggc ataagggtag 360  
 cgtaagggcc aatggctgct gctctccaaa aaacggcccg gggggggccg taaccaaata 420  
 gncctaanag tgaagtcgga tt 442

<210> 2277  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (13)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (30)

1565

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

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<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c



1566

<220>  
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 <222> (147)  
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<220>  
 <221> misc feature  
 <222> (185)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (198)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (220)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (231)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (241)  
 <223> n equals a,t,g, or c

<400> 2277  
 aattcggcac agnctgaagc aggcgctctn ngctcggcgc ggcccnctgn caatccgtgg 60  
 aggaacgcgc cnccgagcna ccatcatgcc tgggcacttt gaggnagggt tcggctgtnt 120  
 ggtncaccaa ccgattcgnc canttantta acgacgtttc ggacccttc gaggggtgctg 180  
 aaggnagtca gagaacangt aaaaagaagc cgggcggggg tcggcgtttg ngggccctgg 240  
 ngtcaagttg cgcac 255

<210> 2278  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (8)  
 <223> n equals a,t,g, or c

<400> 2278  
 ttttagancc tggctcagga tgaacgctag ctacaggctt aacacatgca agtcgagggg 60  
 catcaggaag aaagcttgct ttctttgctg ggcaccggcg caccgggtgag taacacgtat 120

## 1567

```

ccaacctacc ctttactcgg ggatagcctt tcgaaagaaa gattaatacc cgatgggata 180
atcattccgc atgggtctgat tattaaagga ttccggtaaa ggatggggat gcgttccatt 240
aggttgttgg tgaggtaacg gcccaccaag ccttcgatgg ataggggttc tgagaggaag 300
gtccccaca ttggaactga gacacgggtcc aaact 335

```

<210> 2279

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 2279

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gtggagcaca annaaaagcc atcttggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcatgatct tgtggatagc tgtgtcccgg gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa ggttctcgaa ataagaatga 240
caagtgtatg ttcttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300

```

## 1568

aacaaagagt tctgaggatg ggtgtaagca tggaaatgttg atggagttct cacttaaaga 360  
cctttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420  
gctttgccct gtcatttttg gtcatgaagc agcgtgcaat gttgccccac gtggcgtgta 480  
tgnttggtgt aacaccacga ccacctttgg tctgacggta actctttcaa aagatagntn 540  
ctntgganaa tttgcttttg gaacttggtg cccctgg 577

<210> 2280

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

1569

&lt;400&gt; 2280

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gttgacgcgt gggctgctng gggcttaagc ggagggagtc gagccagcgt cgccgcgatg 60
gtgttggttg agagcgagca gttcctgacg gagctgacca gacttttcca gaagtgccgg 120
acgtcggggca gcgtctatat caccttgaag aagtatgacg gtcgaaccaa acccattcca 180
aagaaaggta ctgnnggaaag gctttgagcc cgcagacaac aagngtctgt taagagctac 240
cgatgggaag aagaagatca gcactgtggt gagctccaag gaagtgaata agtttcagan 300
ggcttattca aacctcctta gagctaacat ggatgggntg aagaanagag acaantagaa 360
caaaactnag aa 372
```

&lt;210&gt; 2281

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (116)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (300)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (374)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1570

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2281

```
ggcacgaaaa cttctccaga gttgtccttt attaagtttc tttacagaaa ctttaattgg 60
tgccatgaat tcttgtgggg gaaagaatca taagagccat caactttttn ccttnattt 120
tagcatattc caagccctgc caagaaagta ccaagactcc ctgccacagc agcagaacct 180
gaaagcagct gtcattagta atggggaaca ttaagatact ctgtgaaggt gcaagacttc 240
aggggtggggg gggcatgggg tgggggtatg ggnaacattg gaggatggga tatctggggn 300
taattttaaa ggtttacctg ttatgtaatt tttaatgggn actnggcatg gggcccgggt 360
tgcttttccg ggtnccttngg gaaa 384
```

&lt;210&gt; 2282

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (519)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (520)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (533)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2282

```
ggtggagggt catgtcgagg tttaatgcat tcaaaaggac taataccata ctgcaccatt 60
tgagaatgtc caagcacaca gatgcagcag aagagggtgt attggaaaaa aaagggttgcg 120
cgggagtcac aacactaaac agaccaaagt tcctcaatgc actgactctt aatatgattc 180
```

## 1571

```

ggcagatttta tccacagcta aagaagtggg aacaagatcc tgaaactttc ctgattcatta 240
taaaggggagc aggaggaaag gctttctgtg ccgggggtga tatcagagtg atctcggaag 300
ctgaaaaggc aaaacagaag atagctccag ttttcttcag agaagaatat atgctgaata 360
atgctgtttg ttcttgccag aaaccttatg ttgcacttat tcatggaatt acaatgggtg 420
ggggagtttg tctctnagtc catgggcaat tctnagtggc tacagaaaaa gtgtcttttt 480
gctatgccag aaactgcaat aggactgggc ccttgatggn gggtggangg ttnttt 536

```

<210> 2283

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 2283

```

aattcggcag agctgatagt gagcggcaga atcaggagta ccagcggctc atggacatca 60
agtcgcggtt ggagcaggag attgccatct accgcagcct gctcgaggga caggaagatc 120
actcacaaca atttgtttgc ctncagggtc ctctgaggca gcaggctctg gggcttctgc 180
tgtccttttg aggggtgtct ctgggtagag ggatgggaag gaagggaccc ttacccccgg 240
ctcttctcct gacctgcca taaaatttat ggtccaaggg aggaaggaaa aaaaaaaaaa 300
an 302

```

<210> 2284

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

1572

<221> misc feature  
 <222> (66)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (74)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (611)  
 <223> n equals a,t,g, or c

<220>  
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 tgaagaattg aaccgggagg tcgctggcca cacggagcag ctccagatga gcaggtccga 180  
 ggttactgac ctgcggcgca cccttcaggg tcttgagatt gagctgcagt cacagctgag 240  
 catgaaaagct gccttggaag acacactggc agaaacggag gcgcgctttg gagcccagct 300  
 ggcgcataatc caggcgctga tcagcgggat tgaagcccag ctgggcgatg tgcgagctga 360  
 tagtgagcgg cagaatcagg agtaccagcg gctcatggac atcaagtcgc ggctggagca 420  
 ggagattgcc acctaccgca gcctgctcga gggacaggaa gatcactaca acaatttgtc 480  
 tgcctccaag gtcctctgag gcagcaggct ctggggcttc tgctgtcctt tggaggggtg 540  
 ctttctgggt agaggggatgg gaaggaaggg acccttacct ccgggtcttc tcctgacctg 600  
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1573

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1574

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aggctgccag ttattgaccc agaatcaggc aatactttgt acatcctcac ccacaagcgc 180
attctgaagt tcttcaaatt gtttatcact gagttcccca agccagagtt catgtccaag 240
tctntggaaa aactaccana ttggnaccta tgccaatatt gctatggntc gactaccacc 300
cccgctctatg tggctctggg gatttttcta cagcatcgag tctcagccct gccagtgggtg 360
gatgagaagg ggcgtgtggt ggacatctac tccaagtttg atgttatcaa tctggcagca 420
gaaaagacct acaacaacct agatgtatct gtgactaaag ccttgcaaca tcgatcacat 480
tactttgagg gtgttctcaa gtgctacctg catgagactt ggagaccatc attaacaggc 540
tagtgnaaan cagaaggtta acnacttgna atggtggatg aaaatgatgt ggtcaagggg 600
nt 602
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&lt;210&gt; 2286

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;220&gt;

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&lt;222&gt; (134)

1575

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1576

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ctcttcgnca ggangccctc ggcccccaag aagggagaca gttctgctga agaactnaga 180  
actgggccac ccagctgacc ggaccggtca tgcccgtccg gaaacgtctt atnaagaagg 240  
aggaaagctt cgagtgcatt cacttttaggn aaggagaaaag gaattttcaa aaggcctttc 300  
ggtttagttct tccgttattg gccccgtgtc ccaaagnncc cgggnntttt ttgggggnatt 360  
aagggggcaa aaaaaggngc ccaaaggnaa ggccgnaaga aaccaggttt ttttgaaaaan 420  
gggaaaaaaa tttaaaggnc cntttcttgg gggnttttgg ggtatt 466

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<222> (364)

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<222> (388)

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<400> 2287

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caccttggnn gagnaacacgg gaaaatctca tctggtggtg nttcacacac gncgngtatc 180
cccatggngc tggttgtttt cttncctncc ctgtgtngta aaatgggggn cccttactgc 240
attatcaagg gaaaggaan attggcgacg tatngtcca caggaagcnc ctgcaccatt 300
gtgcgtcttn acacaggtgt tctcgggacg nncaaaggtt ttttttgatt aagttggtng 360
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1581

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 atccgaaatg tttcattgtg ggagcagaca atgtgggctc caagcagatg cagcagatcc 180  
 cgcattgtccc ttcgcgggaa ggcttgtggt gctgatgggc aagaacacca tgatgccgca 240  
 aggnccatttc gagggcacct ggaaaacaac ccagctntgg agaaactgct gcctcatatc 300  
 cggggggaatg tgggctttgt gttcaccaag gaggacctca cttgagatca gggacatgtt 360  
 gcttggccaa taagggtgcca gcttgctgcc gtgctggtgc cattgccccca tgtgaaagtc 420  
 actgtgccag ccagaacact ggtcttnggg ccccaaaaaan acctcctttt tcaaggnttt 480  
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1582

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1583

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caagttctcc gtgtgggatc ggnnggntcc atcctggnc t cgtgtgccac cttccaacag 180  
atttngatca gcaagcanga attntgaana aattccgggc ccctcccatc cgtccacccg 240  
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1584

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cctgcttctc ttgtccgcta gtgtgacccc ccagccaagg gctgccaggg cctctttcac 120  
tatggacttt gtgttctgcc attcaggcac ctgcggaact cgagtcatgc aggagctttt 180  
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<210> 2291  
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1585

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cggcccgcca ggccccccag gtattccagg atgcaatggc acaaaggggg agagagggcc 180
gctcgggcct cctggcttgc ctggtttcgc tggaaatccc ggaccaccag gcttaccagg 240
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aagaagattt ccggaatncc anggactnca ngccca 336
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<210> 2292

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<212> DNA

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## 1586

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tggggaatgg agcaaaacag tctttgaata tcgaacacgc aaggctgtga gactacctat 180
tgtagatatt gcaccctatg acattggtgg tcctgatcaa gaatttggtg tggacgttnn 240
ccctgattct ctttatnaac caaacnctan c 271
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<212> DNA

<213> Homo sapiens

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1587

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<220>  
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cgaaggcttc acaaactggn cgagtcctgt gtcttggaac tggaactcca aagacgtggg 120  
gcctcatngg gatttggttg gtgaattggg aacagctctc cggaagagga acatncgcta 180  
tggactatac cactnactct tagagtggtn ncatcnactc tatctacttg ataagaa 237

<210> 2294  
<211> 461  
<212> DNA  
<213> Homo sapiens

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<220>  
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1588

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gaggccccagg acgtctactc aggtgacatc atcagtggcc tccgagatga aaccaacttc 180  
acagtgatca tcaacccttc aggggtagtg atgtggtacc tgtatcccat caagaactgg 240  
agatgtccca gcagtgagga actgggacat gtgacaggct gtggtggcac cactgagcct 300  
agancatgga nccttggcat gccaggggca agtngggaag ttctctgctc cccaggctgc 360  
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## 1590

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 tatattgact tcctggaagg aacccgggac tatgactggc tggaaccact gcttntnaat 180  
 cagacgggtga tgtcnatana cctnttctgg ttcaggcaca gaccccagga aagcttttcg 240  
 ggaagccctg ctcatagaca ggtacctgtt gntgcaccca gactttctcc gatacatgaa 300  
 caacagggtta cttgatgtct aaacacctgn attgtgcccc ctggaatgat ataccgcccc 360  
 accactggng ccctcctgct gctcactgac cttccactct ttttaccagg ttagttgctt 420  
 tttgntncat cnctnanggc catgagcgct tttcctgatc actactatta tacatcatng 480  
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1591

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (262)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2296

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cacttaggag acaggagcag aatataaaga gttttgagga gacctatgac cgaaagctca 180
agaatgaact tctaaacttc cacaggctgc atggtgtctg cctggctttg ggaatcctca 240
tatgactttg gcagggtgttg gngtttggag gctcttcggc acaggagtgc ttctatttcc 300
tt                                                                 302
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&lt;210&gt; 2297

&lt;211&gt; 484

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (198)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (226)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (288)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

1592

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 ttccctatac tttccaccaa gacaacaatt tcctgtacct atgtggattc caagagcctg 180  
 atagcattct tgncttnag agcctccctg gcaaacaatt accatnacac aaagccatac 240  
 tttttgtgcc tcggcgagat cccagtcgag aactttggga tgggtccgnga tctggcactg 300  
 atggagcaat aagctctaac tggagtagac gaagcctata cgctagaaga atttcaacat 360  
 nntgtaccaa aaatgaaagc tgagacgaac atgggtttggt attgactgga tgangtcctc 420  
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 tgggggtgcag aaggatcgga tggataagaa tgcgtcaacc tttgaggatg tcacccaggt 180  
 gtcctctgcc taccagaaga cagtacctgt cgaagctgtg accagcaaaa caagtaacat 240  
 cagagctaac tttgaaaacc tcgctaagga gaaagagcag gaggacaggc ggaaggcgga 300  
 ngcngagaga gcccaacgga tggccaagga acggcaggaa caggaagagg ccaggaagaa 360  
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 ccaaccnang gaaaagct 438

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1594

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 tgccctgctc cgggcgacac ccagcactcg gaggaggcgg aacccgagcc cagccaggag 180  
 gcagagagtg ggagctggga gagaggcgtc ccagtgtccc ccatgcactg accagcactg 240  
 ncgcccctct gacctccaag gagaacctcc catatgtcct ctgagctcgg cttcaaggcc 300  
 agtggaaact gtgcccctgt ccangcggct gcaagctttg aacacactgt cacgcccgtc 360  
 ttcttgtgga aggtgtgggc tatgggtcac ctggttgcct gaagaagggg cccttaccca 420  
 acccggcctg gaagccacct ttttangaac cannccttcg gggcttggcc gaancttnc 480  
 tttgggcat tgcatcca 499

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 gtctgctcaa tctctgttgc acctgagggg gaaaaaacag ttcaactgct tactccaaa 180  
 acagcctttt tggaaattat tttttaagtg ggctcctgac aatactgtat cagatgtgaa 240  
 gcctggagct ttctgatga tgctggcctt acagtacccc catgagggga ttcccttctc 300

## 1595

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1597

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tggcccgggg tgctcccgnc cggccgagtg attggcgagc ccacggagtc tgatggacgt 180  
gttccccacc gtggtccggc tggcgggcgg cgaggttgcc ccaggacaga gtgattnacg 240  
gccaagacct tcttgccctt gctccttggg acaacccaac atttnagacc aggatttcct 300  
gatgcattat ttttgagagt ttttttgnag gnacccagtg ggaattaaag gggcaaaggg 360  
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aacgggaaac cagtattgcc cttaccgaac aataccaggc cgatgcgttt ttntgcgcgg 180  
aagacggact gatgcagccc ctgaatcagg ctttcgggtcg ggccgggtgcg catactgcca 240  
ccaggctgat gccgtncatc ggacttgcca ggtnaaatc ggaccggtcg gcctttaagt 300  
ttgctgccag aagcgggtggc aatgcagcgg gttaaggggt gacgnctgca acgacctnng 360  
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gatttgggca tttta 435

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<212> DNA  
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## 1600

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## 1601

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<222> (405)

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ctttttgggg gcaaggagtc ctgatgagac aattttctgc aatgacancc cnettcacatc 180
gcttcacang tggagtccgg acatcatacc agncctcgtc tcctgccgct tcaccaagga 240
gaccacccan aagaatttca acantntcta tggcaccaaa ggtaactaca cctccnggnt 300
ctgggagtac tccctncagca ttcagaactc tgacaatgac ctgcccgtnt tccaaggcat 360
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gccccagact tggaaatctg gc 442

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1602

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gaagagaaga agaagcagga tgaactgaaa cggattgccca gagaattggc agaagatgac 180  
agcatattaa agngagtgtac cctgcgaccc actccttggga ccagcagcgg atgaataaag 240  
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1603

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1604

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&lt;222&gt; (416)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2305

```
gccccagaaa attaaaacaa accctgagaa ccaaaatgaa cgaaaatctg ttcgcttcat 60
tcattgcccc cacaatccta ggcctaccg cgcagtagt gatcattcta tttccccctc 120
tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
taatcaaaact aacctcanna caaatgataa ccatacacia cactaaagga cgaacctgat 240
ctcttatgct antatccttn ntcattttta ttgccacaac taacctcctc ggactcctgc 300
ctcactcatt tacaccaacc acccaactat ctatnaacct anccatgggc atccccctat 360
gancggggcgc aatgattata ggctttcgct ctaaaattaa ngatgcctc ncccanttct 420
taccacaagg cacacctaca ccc                                     443
```

&lt;210&gt; 2306

&lt;211&gt; 716

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (219)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (225)

&lt;223&gt; n equals a,t,g, or c

1605

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (440)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (534)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (562)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (573)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (688)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (689)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (715)  
<223> n equals a,t,g, or c

<400> 2306  
naaataaaaa attatnacaa accctgagaa ccaaaatgaa cgaaaatctg ttcgcttcat 60  
tcattggccc cacaatccta nggntacceg ccgcagtact gatcattcta tttccccctc 120  
tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180  
taatcaaaact aacctcaaaa caaatgataa ccatacacna cactnaagga cgaacctgat 240  
ctcttatact antatcctta atcatTTTTa ttgccacaac taacctcctc ggactcctgc 300  
ctcactcatt tacaccaacc acccaactat ctataaacct agccatggcc atcccccttat 360  
gagcggggcgc agtgattata ggcttttcgct ctaagattaa aaatgcccta gcccacttct 420  
taccacaagg cacacctacn ccccttatcc ccatactagt tattatcgaa accatcagcc 480  
tactcattca accaatagcc ctggccgtac gcctaaccgc ttacattact gcangccacc 540  
tactcatgca ccttatttga ancgccaccc tancaatatc aaccattaac cttccctcta 600



## 1606

cacttatcat cttcacaatt ctaattctac tgactatcct agaaatcgct gtcgccttaa 660  
 tccaaagcct acgttttcca cacttctnnt taagcctctt acctgcacaa caacnc 716

<210> 2307  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (384)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (399)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (402)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (404)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (411)  
 <223> n equals a,t,g, or c

<400> 2307  
 gattggtggt acagcagtggt cattttaataa ggaacttgat cctatacaga aactctttgt 60  
 ggacaagatt agagaatata aatctaagcg acagacatct ggaggacctg ttgatgctag 120  
 ttcagagtat cagcaagagc tggagagggga gctttttaag ctcaagcaaa tgtttggtaa 180  
 tgcagacatg aatacatttc ccaccttcaa atttgaagat cccaaatttg aagtcatcga 240  
 aaaaccccg gcctgaagaa ataaagtaaa attaactctgg taatttgtca cggattagtt 300  
 gtacaactag ttagaagttt cagaataaac atgcatttca taactgtcaa atgttctttt 360  
 aattctgagt ccaaataaat tatntggtga tgttgaaana cncnttaagc nctaaaatgg 420  
 g 421

<210> 2308  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (41)

1607

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

1608

<220>  
 <221> misc feature  
 <222> (316)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (324)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (346)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (423)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (436)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (462)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (468)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (488)  
 <223> n equals a,t,g, or c

<400> 2308  
 gcaacactaa aggacgaacc tgatctctta tactagtagtc nttaatcatt tttattgccca 60  
 caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120  
 tcctagccat ggccatcccc ttatgancgg gcgcagtgat tatangcttt cgntctaaga 180  
 ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacacccctt atccccatac 240  
 tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300  
 tcgcttacat tactgnaggg cacntactca tgcacctcat tggaancgtc ccctacaata 360  
 tcaatcatta aacttccttc tacacttata tcttcacatt ctattctaac ttaatatcct 420  
 aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaaccctc 480  
 ttactttncg aaaaaccttt tt 502

1609

&lt;210&gt; 2309

&lt;211&gt; 283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt; .

&lt;221&gt; misc feature

&lt;222&gt; (229)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2309

```
gcgggaagcc ttccagagtg tgggtgctgcc ggcctttgag aagagctgcc aggccatggt 60
ccagcaaatac aatgatagct tccggctggg gacacaggaa tacttgcagc agctagaaag 120
ccacatgaag agccggaagg cacgggaaca ggaggccagg gagcctgtgc tagcccagca 180
agcccatatac ctgcagctgc tgcagcaggg ccacctcaat caggccttnc agcaggcgct 240
gacagctgct gacctgaacc tgggtgcttgt atgtgtgtga aat 283
```

&lt;210&gt; 2310

&lt;211&gt; 514

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (241)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (271)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

## 1610

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<400> 2310

```
gcagcattcg ggccgagatg tctcgctccg tggcctgagc tgttctcgcg ctactctctc 60
tttctggcct ggaggctatc cagcgtactc caaagattca ggtttactca cgtcatccag 120
cagagaatgg aaagtcaaat ttcttgaatt gctatgtgtc tgggtttcat ccatccgaca 180
ttgaagttga cttactgaag aatggagaga gaattgaaaa aagtggagca ttcagacttg 240
nctttcagca aggactgggc tttctatctc ntgnnctaca ctgaattcac cccactgaa 300
aaaagaatga agtattgcct ggccgtgtga accatggtga ctttttcaca agccaaagat 360
agtnaantgg gaancaagac atgttaagca gcatcatgga aggtttgaag aatccccatt 420
tgggaattgg atgaattccc aaattcttgc ttgcttggct ttttaaanaa tggnaancct 480
attncacttt aacactttta ttgccccaaa antg 514
```

<210> 2311

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

1611

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (161)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (172)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2311

```

ccntcactaa gggacaaagc tggngctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcacgag cgaagcgggg gctgccccag tcaactgcagg 120
acgccgaccg cctgcgccgc tccccactnc tgcggggccg nccccgccag gnccacctgc 180
ctctgctgcc gccctccaac tcctactggg ccggccacac ccccgagcag cactagtcct 240
gcctggtggc cctgggagcc aggatgggac caaagtcaag gcctggggca tggctgagta 300
ccccagacgt ctggtccagg gcagacacat tncctcaga agcccgtgtc tcagtgcagg 360
tggagccgtg gggacagcgt gaaggtgtct ccagccaggc cccaggcact ggaggccctg 420
ggtcttcccc cagncacanc cagtaggtgt ggaggataaa ggcttctgtg g 471

```

&lt;210&gt; 2312

&lt;211&gt; 387

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1612

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<400> 2312  
ggtnntgcatg tcatacgcgt tccacacgcc agacaagctc agcttcatcc tggacctcat 60  
gaacggtggg gacctgcaact accacctctc ccagcacggg gtcttctcag aggctgacat 120  
gcgcttctat gcggccgaga tcatcctggg cctggagcac atgcacaacc gcttcgtggt 180  
ctaccggggac ctgaagccag ccaacatcct tctggacgag catggccacg tgcggatctc 240  
ggacctgggc ctggcctgtg acttctcaag aagaagcccc atgccagcgt gggcacccac 300  
gggtacatgg ctccggaggt cctgcagaag ggcggtggcct acgacagcag tgccgactgg 360  
ttctctctgg ggtgcatgct cttcaag 387

<210> 2313  
<211> 119  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>

1613

<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<400> 2313  
nnccctacgc cggttacttt cggtttcttn ccttcctttt ttgccacggt cgccgggttt 60  
ccccgtcaag ctttnaatng ggggctccct ttaggggttc caattaanng ctttacggg 119

<210> 2314  
<211> 739  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (666)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (672)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (677)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (712)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (732)



1614

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2314

```

nctactatcg ggaaagctgg tacgcctgca ggtaccgggc cggaattccc ggggggtggtt 60
acgcgcagng tgaccgctac acttgccagc gccctanccg ccgctccttt cgctttcttc 120
ccttcctttc tcgccacggt cgccggcttt ccccgtaag ctctaaatcg ggggctccct 180
ttaggggttc gatttagtgc ttacggcac ctcgacccca aaaaacttga ttaggggtgat 240
ggttcacgta gtgggccatc gccctgatag acgggttttc gccctttgac gttggagtcc 300
acgttcttaa tagtggactc ttgttccaaa ctggaacaac actcaaccct atctcgggtc 360
attcttttga ttataagggg attttgccga ttctggccta ttgggttaaaa aatgagctga 420
tttaacaaaa atttaacgcg aattttaaca aaatattaac gcttacaatt taggtggcac 480
ttttcgggga aatgtgcgcg gaacccttat ttgtttatct ttctaaatac attcaaata 540
gtatccgctc atgagacaat aaccctgata aatgcttcaa taatattgaa aaaggaagag 600
tatgagtatt caacatttcc gtgtcgccct tattcccttt ttttgcggca attttgcctt 660
ccctgntttt tngcttnacc ccagaaaacg ctggtggaaa aggttaaaaa gnattgcctt 720
gaaatatcca antttgggt 739

```

&lt;210&gt; 2315

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (138)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (143)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2315

```

tctagatcgc gagcgccgc tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc 60
atagctcttc tatagtgtca cctaaattca attcaactggc cgtcgtttta caacgtcgtg 120
actggggaan cccaaaancc gcncaacnng atg 153

```

1615

<210> 2316  
<211> 291  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<400> 2316  
ttactagttc tagatcgcca gcggccgntc tagaggatcc aagcttacgt acgcgtgcat 60  
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120  
acgtcgtgac tgggaaaacc ctggcgttac ccaacttaat cgccttgacg cacatcccc 180  
tttcgccagn tggcgtaata gcnaagaggc ccgcaccgat cgccttccca acagttgcgc 240  
agnctgaatg gngaattggga cgcgccctgt agcnngcgca ttaaacgccg g 291

<210> 2317  
<211> 363  
<212> DNA

1616

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

1617

&lt;400&gt; 2317

```
ntnctaaatn ttnttgggaa taancgactc actatagggg aagctgggtac gcctgcaggt 60
accgggtccgg aattcccggg tgcacccacg cgtccgcca cgcgtccggg ggttgagggg 120
caaagtagtg aagaactgta agatattcaa tatagtgtat tgatgaatta gaattgtatg 180
gaaagataaaa ccgcagaagg tgagagtcct gtataagtaa atccttacac atataacttt 240
gctcccaagt aacatggaac acgaggaatt ctgtgtgaat cagngaggac catatctnat 300
aaggctaaat actcttacta accgatagcg catagnaccg ngagggaaag gngaaaagaa 360
ccc
```

&lt;210&gt; 2318

&lt;211&gt; 459

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (145)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1618

<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (443)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<400> 2318  
naactccttt ggaaaacncg ctactatatg naaagctggt ncgccctgcag gtaccggtcc 60  
ggaattcccg ggctcgattna cgcgttttta gatcgcgagc ggccgctcta gaggatccaa 120  
gcttacgtac gcgtgcatgc gacgncatag ctcttctata gtgtcaccta aattcaattc 180  
actggccggtc gttttacaac gtcgtgactg ggaaaaccct ggcgttaccc aacttaatcg 240  
ccttgcagca catccccctt tcgccagctg gcgtaatanc gaaaangccc ggaaccnatn 300  
gcccttnccc aacaggttgc gcagccttga atggcggaatg ggacgcgccc tgtaagcggc 360

## 1619

gcattaagcg cggcnggtgt ggtgggttacg cncagcgtga ccgctacact tgccagcgcc 420  
ctagcgcccg ctcttttcna ttncctccct tccttttnt 459

<210> 2319

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<400> 2319

gagatctctc tgnaaaacnc gactcactat ttgggaaagc tggcacgcct gcaggtaccg 60  
gtccggaatt cccgggtcga cccacgcttt cgcgccattc aaaggccatt tctgttacta 120

## 1620

```
tcgtttggaa tacagtgtgg ccaaagccaa ggcaactggt cactgtgact ggaaattgta 180
gccctggctg attgtggtat gagactgcta atatgaattc taaaatctca ctttaatgca 240
gcaaagccta tttcttgaag tggttgggga gaaagtacag cacatgaaaa tgatagagaa 300
ttcacatttc agtgtatgta aataaagact tactggagtg cagccacact taaaaaaaaa 360
aaaaaagggc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc cgacgtcata 420
nctcttctat agtgtcacct aaattcaatt cactgggccg tcgtttacac gtcgtgactg 480
ggnaaaaccc tgcgggtaccc caacttaatc cgcttgcag aacatcccc tttcgcaagn 540
tgngaatacc aaaaggccn accnat 566
```

<210> 2320

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 1621

<222> (247)

<223> n equals a,t,g, or c

<400> 2320

```
ntctggnacg acccantata gggaaagctg gtacgcctgc aggtaccggt ccggaattcc 60
cgggtcgacc caccgcgtccg ggctgtgggtc ccagtgcctga attctgccaa gcagtgactt 120
gattcatgaa cactcactgg atgctgactc tgtttctctt ctgagtgcctg gggtagagga 180
gaggagaggt ggagcacaga tcttgctttt atgagcttat gntctaggaa gnncaaacia 240
gtattnnttc agg                                     253
```

<210> 2321

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>



1622

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2321

```
gctagttcta gatcgcgggc ggncgntcta gaggatccaa gcttacgtac gcgtgcatgc 60
agacgtcata gctnttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgttngact gggaaaacc tggcgntacc caacttaaac gacttgcaat acattccctc 180
tttngccagn tggng                                     195
```

&lt;210&gt; 2322

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (95)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (99)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1623

<221> misc feature  
 <222> (148)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (180)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (225)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (375)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (387)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (425)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (438)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<400> 2322  
 ggccttangg ctaccacccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60  
 ccgtttctta ctcccttatgt ttgaanagaa acntnnggng tgagatatac aaatatattt 120  
 aattgngtca tattaaactt ctgatttnac aaaaaaaaaa aaaaagggcg gccgctctan 180  
 aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttntatag tgtcacctaa 240  
 attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 300  
 acttaatcgc cttgcagcac ataccctttt cgccagctgg cgtaatagcg aagaggcccc 360  
 caccgatcgc ccttnccaac agttgcncag cctgaatggc gaatgggacg cgccctgtag 420  
 cggcncatta agcgcggngg gtgtggtggt tacnc 455

<210> 2323  
 <211> 211

1624

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (160)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (197)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (208)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (211)

## 1625

<223> n equals a,t,g, or c

<400> 2323

```
cngaaanccc tttggaaacc ccnttggnac gaccgantat agggaaagct ggtacgcctg 60
caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggcggacgc 120
gtgggcggac gcgtgggtca aagntggata caagaagctn ttgtactgg atgatcgtga 180
ggctcataat gaggtanaac cactttgnat n 211
```

<210> 2324

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

1626

<223> n equals a,t,g, or c

<400> 2324

```
gcggacgcgt gggctatddd ctaaataaac ctttgtaatc taaaaaatan annggagggc 60
ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc gacgtcatag ctcttctata 120
gtgtcaccta aattcaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct 180
ggcgttaccc ancttaatcg ccttgacagca catnccccct tcnntcagnt g          231
```

<210> 2325

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

1627

<223> n equals a,t,g, or c

<400> 2325

```
ctnganntcc tctggaaaac ccctcactat aggttaagct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtnc gnaagctgac acagacctn antacgtatt 120
ctgacaacca agaggnggag attatgaa 148
```

<210> 2326

<211> 142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

1628

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<400> 2326  
atnntgnaan accnctcact ataggtaaag ctggtacgcc tgcaggtacc ggtccggaat 60  
tccccgggtcg acccacgcgt ccgggggagag ttcacattat tnccttttcca tnggaagngg 120  
tgctggnngna ttcaaatacgt tc 142

<210> 2327  
<211> 155  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

1629

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<400> 2327  
cttctctgga tangcngta gaactcctct ggaaaccctc actatagggn aagctggtac 60  
gcctgcaggt accggtccgg aattccccggg tcgacccacg cgtccgccca cgcgtccgcc 120  
cacgcgtncg aaaaanaaag gaanaaaaaa nanaa 155

<210> 2328  
<211> 130  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>



1630

<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<400> 2328  
cncctcncng cctcgtatcc nctcactat agggaaagct ggtacgcctg caggtaccgg 60  
tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggtcgaccc gganatctng 120  
gngnggttnt 130

<210> 2329  
<211> 191  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1631

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (124)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (156)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (187)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (188)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2329

```
tactataggg aaagctggta cgcctgcagg taccggtccg gaattcccgg gtcgaccac 60
gcgtccggnc aatntngnng cttcttgtgg ccaacttcag agcctgtcac caggaaaggt 120
aagnatggga ggnatgaaga tccaacatat gaacanaatg tttatgggtt ataagagaac 180
tctcagnncc c                                     191
```

&lt;210&gt; 2330

&lt;211&gt; 216

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1632

<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (201)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<400> 2330  
tccctatgna acncctttgt aataccctca ctatagggaa agctgggtacg cctgcaggta 60  
ccggtccgga attcccgggt cgacccacgc gtncgcagaa agggagacca ttatcatctct 120  
tcagggaaca atccctggga atgtacttat tcattatggc ataaaagcag tngtataaat 180  
acattcccag ggattgntcc nagaanggga gacnat 216

<210> 2331  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1633

<222> (118)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (128)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (171)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (220)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (222)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (266)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (278)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (305)  
 <223> n equals a,t,g, or c

<400> 2331  
 tccctngtaa actcctttgn aatacccctc actatagggg aagctgggtac gcctgcaggt 60  
 accggtccgg aattccccgg tcgacccacg cgtccgggca tttctgaagt gcactttntt 120  
 gaaacatnat tttgctaact ctcagcagtg tctaattaaa ctgagcaata nttttgtgaa 180  
 ttttaattaa tctcagcaaa accatgatgg gagagagtcn tntgatggaa atgtagtccc 240  
 tggattatgt gtaacctttt tattgntcct agatgcanag gatagaaaag cattttttgg 300  
 tgcantggt 309

<210> 2332  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

1634

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<400> 2332  
ggactagttc tagatcgcca ggggcccgtc tagaagatcc aagcttacgt acgcgtgcat 60  
gcgacgtcat agctcttcta tattgtcacc taaattcaat tcaactggccg tcnttttaca 120  
acgtcgtgac tgggaaaacc naacnncang cccttcat 158

<210> 2333  
<211> 219  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>

1635

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2333

```
nccaattcta ntacgntcct catagggttaa agctggtacg cctgcaggtn ccngtccgga 60
attcccgggt cgaccacgc gtccgactag ttctagatcg cgagcggccg ctctagagga 120
tccaagctta cgtacgcgtg catgacgacgt catagctctt ctatagtgtc acctaaattc 180
aattcactgg ccgtcgtttt acaacgctgt gactgggaa 219
```

&lt;210&gt; 2334

&lt;211&gt; 160

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (156)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (159)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (160)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2334

```
gcccacgcgt ccggactagt tctagatcgc gagcggccgc tctagaggat ccaagcttac 60
gtacgcgtgc atgcgaacgtc atancctcttc tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaac caaaanannn 160
```

&lt;210&gt; 2335

1636

<211> 154  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<400> 2335  
ggactagttc tagatcgcca gcggccgctc tagaggatcc aagcttacgt acgcgtgcat 60  
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120  
acgtcgtgac tgggaaaacc caaanagaaa nnnn 154

<210> 2336  
<211> 143  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1637

<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<400> 2336  
gntagttcta natchcgagc ggncgancna gaggatccaa ncttangtac gcgtgcatgc 60  
gacntcatag ctctnctatc atgtcaccta aattcaattc actggccgnc gntttacaac 120



1638

gtcgtgactg ggaaaacgaa tgt

143

&lt;210&gt; 2337

&lt;211&gt; 246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (241)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

1639

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<400> 2337  
gginnctnan tacgtctctt aaaatacgag gccctataag gaaagctggt acgcctgcag 60  
gtaccgggtcc ggaattcccg ggtcgaccca cgcgtccgga ctagttctag atcgcgagcg 120  
gocgtcttag aggatccaag cttacgtacg cgtgcatgcg acgtcatagc ttttctatag 180  
tgtcacctaa attcaattca ctggccgctcg ttttacaacg tcgtgactgg accccaaaaa 240  
nnnnna 246

<210> 2338  
<211> 95  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<400> 2338  
ntgattacgn nntctcaaatt acgagtcact atanggaaag ctggtacgcc tgcagggtacc 60  
ggtccggaat tcccgggtcg acccacgcgt ccgct 95

<210> 2339  
<211> 110  
<212> DNA  
<213> Homo sapiens

1640

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<400> 2339  
gggggggggg ggtgggtaat gattacgccc tctcnaatac gantcactat agggaaagct 60  
ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 110

<210> 2340  
<211> 151  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>

1641

<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<400> 2340  
ntgattacgg cncctctcaaa tacgacncnc tatagggnaa agctgggtacg cctgcaggta 60  
ccggtccgga attcccgggt cgacccacgc gtccgggggtt ttagtcgtga tttttttttt 120  
ttnnccnggt tgtngtcttt tttaagcaan a 151

<210> 2341  
<211> 159  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1642

&lt;222&gt; (159)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2341

```
gcggacgcgt gggactagtt ctagatcgcg agcggccgct ctagaggatc caagcttacg 60
tacgcgtgca tgcgacgtca tagctcttct atagtgtcac ctaaattcaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggaccn aaaaannnn 159
```

&lt;210&gt; 2342

&lt;211&gt; 138

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (134)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (138)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2342

```
gatcgcgagc ggccgctcta naggatccaa gcttacgtac gcgtgcatgc gacgtcatag 60
ctcttctata gtgtcaccta aattcaattc actggccgctc gttttacaac gtcgtgactg 120
ggaaacccaa aanntnnn 138
```

&lt;210&gt; 2343

&lt;211&gt; 175

&lt;212&gt; DNA

1643

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (160)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (165)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (168)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (169)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (174)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2343

gcagggtagg tacaaaaacc tcccgtggta ncaaaagggc ggccgctcta aaagatccaa 60  
gcttacgtac gcgtgcatgc ggacgtcata gctcttctat agtgtcacct aaattcaatt 120  
cactggccgt cgttttacaa cgtcgtgact gggaccccn aaatnggnng gggnt 175

&lt;210&gt; 2344

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

1644

<220>  
<221> misc feature  
<222> (548)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (554)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (572)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (582)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (583)  
<223> n equals a,t,g, or c

<400> 2344  
taagctggta cgctgcagg taccgggccg gaattcccg gtcgaccac gcgtccgagt 60  
nlnataaaaa aaagggttcag tattttcttt ttagtataac ttacatcctt tcaaataagt 120  
ctttgccctc atgaagaatc cctagaggaa gataaggaaa ataagtattt tccagttttg 180  
cttgacagtt tctaaacaaa caaaaataaa ctcaatgaaa ggaaagatgt ttcttttttag 240  
ctgagatgac agattgcttc tctgtattaa atagtctaga agttaagggg atgggtcacat 300  
ttaccatgta ttgtgttatt agcagttaaa ttttatgaat atgtttgtaa aattgttgtt 360  
ttatatattca tgtcaaattg aaaagtttat ttcttacta ttgtacctgt ggaaatacaa 420  
gccattttac aggaaaaaat cttcaaaaac tattaaatgg atatcagcct gttaaaaaaa 480  
aaaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 540  
agctcttnta tagngtcacc taaattcaat tnactggccc gnng 584

<210> 2345  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)

1645

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c



1646

<220>  
<221> misc feature  
<222> (370)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<400> 2345  
ccnttatgga aagccccggtt gcgnaancaa tttcacacag gaaacagcta tgaccatgat 60  
tacgccaagc tctaatacga ctactatag ggaaagntgg tacgcctgca ggtaccggtc 120  
cggaattccc gggtcgaccc acgcgtccga ctagnctctag atcgngggcg gccgtcttag 180  
aggatccaag cttacgtacg cgtgcatgcg acggcatagc tcttctatag ngacacctaa 240  
attcaattca ctggccgtn gntttacaacg acgngactgg gaaaaccctg gcgttaccca 300  
acttaatcgc cttgcagcac atccccnttt cgccagctgg cgtaatagcg aagaggccccg 360  
naccgatcgn cttgccaaca ggtgcgcn gntgaatggcg aagggacgcg ccctggagcg 420  
gngcattaag cgcgngngg 438

<210> 2346  
<211> 168  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

1647

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<400> 2346  
ggacgcgtgg ttnacccac gcgtacnaca gcggccgctg tagaggatcc aagcttaccg 60  
tacgcgtgca tgccgacgnc atagctcttc tatagtgtca cctaaattca attcactggc 120  
cgtcgtttta caacgtcgtg actgggaaaa ccagacann tnattnat 168

<210> 2347  
<211> 575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>

1648

<221> misc feature  
 <222> (78)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (548)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (550)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (561)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (569)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (571)  
 <223> n equals a,t,g, or c

<400> 2347  
 ggnctataca aaatngntcg ggaaccagct catgaccatg attacgccaa gctctaatac 60  
 gactcaactat antgattngc tggtagcgct gcaggtagcg gtccggaatt cccgggtcga 120  
 cccacgcgctc cgccccgcgcg tccgtttaat ttgtacttaa aatacatttt actaatcata 180  
 ttgatttttaa atatgacaaa ttcttctagt agataactaat ctttcttggt tatcatattg 240  
 tcctagagaa gcctaggttaa aaatgggttc cacctagtct gtttggtataa caccttcccc 300  
 cgtccccctct ccattccctgc caattgggct ctatgcata tgacaagcaa ataagaaaac 360  
 cttagggtttc ttgtatttga atttccaaaa caataaaaagg ttttgactca agatttgcac 420  
 tcaagaagag gcagaaattt tgtcttatct ttttatcatt ttgtgaactt gtgtttctct 480  
 gtatgcttag aaaattttac acacaaggaa tgtttgaaaa agtgagaatt ttagagtgtc 540  
 tgggtggntn tatttggcag ngctgatgng ntagg 575

<210> 2348  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (3)  
 <223> n equals a,t,g, or c

1649

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<400> 2348  
ggnaagacag nttatcncca tgattacgcc aagctctaata acgactcact atagggantn 60  
gttggtacgc ctgcaggtac cgggtccggaa ttccccgggtc gacccacgcg tccgctaagt 120  
ctgatcgcat tgtgaatgaa acttagatatt gaaaacagct cctaggatnc ctgncagenc 180  
ctgnagna 188

1650

<210> 2349  
<211> 168  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
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<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<400> 2349  
acataatnng atcngtactc actcatgacc atgattacgc caagctctaa tacgactcac 60  
tatatngatt ngctggtagc cctgcaggta ccggtccgga attccccgggt cgacccacgc 120  
gtccgaatat ttgttgctgg aataaatgaa tganntaaaa aaaaaaaaa 168

<210> 2350  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>

1651

<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
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<222> (72)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (370)  
<223> n equals a,t,g, or c

<220>  
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<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1652

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2350

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accgaanact taatcaggaa ncagccntga cccngattac gccaaagctct aatacgactc 60
actatagggga anagctggta cgcctgcagg taccgggccg gaattcccgg gtcgaccac 120
gcgtccgact gacgtgaaga aaatatgcca ttgtttattc ctcctgcat cattccata 180
atttgctttt gtactgtcaa tttagaggaa atgtgtgatg ctggtgtttt gtttggcctg 240
tttgtttgat gctggggggtt ttatgtgttg naccctttac cccttacatt gngtaatttg 300
aaagtggcaa acaaacctgc agtaaaagtc cttgattggc atcttcattc ggatgatgga 360
gagcctttgn ggnagnngn 379
```

&lt;210&gt; 2351

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (121)

&lt;223&gt; n equals a,t,g, or c

1653

<220>  
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<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<400> 2351  
cntaagggga atcngnnaac agccatgacc atgattacgc caagctctaa tacgactcac 60  
tatagggaaa gctgggtacgc ctgcagggtac cggnccgga ntcccggggtc gacccacgcg 120  
nccgcccacg cgtccgntcc tatgaccaca aagggccgna agaaatattt ttacactaa 180  
aatacacttg ggtaccactt gnattttagn gttaaataaaa agat 224

<210> 2352  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c



1654

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

1655

```
<220>  
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<222> (439)  
<223> n equals a,t,g, or c
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<400> 2352						
nactatcggg	aacctncaca	ggataaccgc	tatgaccatg	attacgcaa	gctctaatac	60
gactcactat	anggaaagct	ggnacgcctg	caggtaccgg	tccggaattc	ccgggtcgac	120
ccacgcgtcc	gatcattttg	ctcatgngtc	ttttcttagn	gagcacagca	aaaaaatgtg	180
tntctgatca	ttggacatgg	catcagtagt	gatgggattc	actgacttgn	cacacaggag	240
atctgggtta	tagttcaagc	tctcttttct	tttctaaaat	tggttatgcc	atttatattc	300
tcctctgaga	taaggatcta	ctagaaattg	ctgngttcta	aactaatact	tatcaaacag	360
ggttccatgg	tcctaaggga	accgtgcact	gcacatcttc	tgagggtctgg	aaaatcttta	420
ggaatttcag	ngngngngng					440

```
<210> 2353
<211> 247
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c
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```
<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c
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<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c
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 $\langle 220 \rangle$

1656

<221> misc feature  
<222> (122)  
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<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<400> 2353  
cttaaggggg ggaantaaat ggganaactc ccccnctt ttcccgggaa aaccnctctg 60

## 1657

accatgattn cgccaagctc taatacgact cactatttgg aaagctggna cgcctgcagg 120  
tnccggnccg gaattcccg ntcgnccac gcgtccggga gcagagagga ggcaanggcc 180  
accatggaga acaaggngat ctgcgccctg gncctggngn ccatgctggc cctcggcacc 240  
ctggccg 247

<210> 2354

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

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<220>

<221> misc feature

<222> (27)

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<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

1658

<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<400> 2354  
tanggaggac ntctaacggg aaacncnaac aattttaccc aggaaaccgc tatgaccatg 60  
attacgccaa gctctaatac gactcactat agggaaaget ggtacgcctg caggtaccgg 120  
nccggaattc ccgggtcgac ccacgcgtcc gcatggnttt cggngattta gagtttaagc 180  
cagnagnngg gcgactgtac atctatcgac atggngaggt agagcatgtt tgggaggaaa 240  
gacgntgaat cccatttggn gacagngagc ttgaggngct gccagaacac tgcactgaag 300  
ataggaggag actgn 315

<210> 2355  
<211> 197  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (15)  
<223> n equals a,t,g, or c

1659

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
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<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<400> 2355  
aggggggggat taatngaaaa nntccgnaaa tttccggtaa ngaccatgat tacgccaagc 60  
tctaatacga ctactatattt gggaaaagttt ggtacgcctg caggtaccgg tccggaattc 120  
ccgggtcgac ccacgcgtcc gggatatttg taaaaaatat cctgcattat cttcaaaaata 180  
aagaaacacg cnannnn 197

1660

<210> 2356  
<211> 139  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<400> 2356  
cgacnatgct ncgccaagct ctaatacgac tcactatagg gaaatggttg tacgtntgca 60  
ggtaccggnc cggaattccc gggncgaccc acgcgtccgg ctaggagccg cgcgagtcgt 120  
agngacgntg aatgcgggt 139

<210> 2357  
<211> 578  
<212> DNA  
<213> Homo sapiens

1661

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>



1662

<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (424)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (452)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (470)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (484)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (488)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (512)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2357  
cgtntcnatc ggaaacagcc tgaccatgat tacgccaagc tctaatacga ctactatag 60  
ggaaanttgg tacgcctgca ggtaccgggc cggaattccc gggtcgaccc acgcgtccgg 120  
gtgaaagggg ggaccctacc ctcaagaacat gagggaataa tatttacgng gctcacaaag 180  
accagtggagt acatcatatg catctntcac aactccccag aagagggcct ccagcacgag 240  
tctaggetca gccttnnctg accctccgag aactctatga attgctgcca agtgnnttaa 300  
ttttcctnag aatttcttng naatgttatt gaggggttga ggtcctttta caaatttttg 360

## 1663

```
aaataagtaa atcaaagag aagaccatgc ttccaaacaa tcattctggt taacagatcc 420
cctngattta atgcaattat gaatgcgtta gnggtagtgt agtttaagan ctttcctngg 480
atgnacangc tttaagaaac caacctagga gnggattttc tataagnaat gggcttaaga 540
ctttacgctt tacacatcaa tgatatacgc tggctttt 578
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<210> 2358

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<400> 2358

```
gncgagaata ctentttctt cttgaaacag ccatcaccat gattacgcca agctctaata 60
cgactcacta tagggaaagc tggtagcct gcaggtagcg gtccggaatt cccgggtcga 120
cccacgcgtc cgaaaaanann aanagaacct taaaaaacta gaganc 166
```

<210> 2359

1664

<211> 369  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<400> 2359  
tacagtttct ttaggaaaca gcctgaccat gattacgcca agctctaata cgactcacta 60  
tagggaaann tggtacgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc 120  
cgaaagtttt aagtcctggg ttttcagact actgtgtagc agctgtgtgt ttaacatact 180  
gtagcttttt ctcccttggg ggcacatata aataggatgt gttgatgtgg actctaaact 240  
gtaattttcc tgtaactatt ttggaatgat gcatatttct aatgtttgtt atacttgtac 300  
agagtattgc tgntgggttc tttntttttt ttttaaggaa aaaanggcnt gaaaacnttt 360  
ttttaaaga 369

<210> 2360  
<211> 185  
<212> DNA

1665

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (176)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (177)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (179)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2360

```
ggagaancct cntttcattc ttgaaacagc taccaccatg attacgccaa gctctaatac 60
gactcactat agggaaagct ggtacgctg caggtaccgg tccggaattc ccgggtcgac 120
ccacgcgtcc gggcctntga aaataaggaa gcatnggagc tatagccatg tagagnnang 180
ggcta 185
```

&lt;210&gt; 2361

&lt;211&gt; 404

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

1666

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

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<220>

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<222> (403)

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<220>

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<400>, 2361

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accgggtccgg aattccccggg tcgacccacg cgtccgaaat aaccttttgt ggtcactgta 120

aaattaatat ttggttagaca gaatccatgt accttttgcta aggttagaat gaataattta 180

1667

```

ttgtattttt aatttgaatg tttgtgcttc cgttttgttt ctgctcagta atatagtcaa 240
gcaagtttgt tccaagtgac ccattgagct gtgtatgcat ttttgtttat ttcaataaaa 300
tatatttgta ttatttgtcc ttcatactat ccattccatac cacactatct tctgtatcag 360
gtagtctaag agaaatatac ctgttttggt ctaaaaaaan nnnn 404

```

&lt;210&gt; 2362

&lt;211&gt; 561

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (426)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (534)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2362

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ggcccagtat tattccagat tctcctgagc tagatactgc cctaaggcct tgtacactta 60
aactaccacg atgtgccttt ctgaatatta cccaattact ccaggaagtg agcataaata 120
taactgccat tctttattaa cattttatgc ctatgccatt ttcaactagt tatgcggtga 180
ctaatttttag ttgttttaggc cccaagtact atatttgaat aatattccat gtttttaaca 240
tgaagaaatg ctactagttc tagatcgcca gcggccgctc tagaggatcc aagcttacgt 300

```

## 1668

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acgcgtgcat gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg 360
ncgttttaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag 420
cacatncccc ttctgcagct ggcgtaatag cgaaaaagcc cgcaccgatc ggccttccaa 480
caagttgcgc agcctgaatg ggggaatggga cgcgcctgt ancggngcat taancgccgg 540
gggtgtggng ggtaccnca a 561
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<210> 2363

<211> 513

<212> DNA

<213> Homo sapiens

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<220>

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<222> (331)

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<220>

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<222> (332)

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<220>

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<222> (338)

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1669

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cacctcgtga gtctctggaa agcagggtcg gcctctgaat acagaggact tgggtcctgc 120  
cggaggatgc ttggccagtg ggtgctggca cgtgagcagc ccccggggag tcagagtggg 180  
gctgcagcga aggccgtggt ggtcgagggtg aggggtggtgg ccaggtcttg ttgccgcagt 240  
gaggattctg gggttaccct aagagccacc acattcaggc actcaagaaa aagcacgtca 300



## 1670

aaataaaata ttttcacctg aaaaaaaaaan nnnnnnnnnn aaaaaaaaaa gggcgggcgc 360  
tctanaggat ccaagcttac gtacgcgtgc atgcgacgtc atancctctc tatagtggca 420  
cctaaattca attactggcc gcgtttttaca acgtengact gggaaaaccc tggngttacc 480  
caacttaatc gccttggann aaatnccctt ttg 513

<210> 2364

<211> 464

<212> DNA

<213> Homo sapiens

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<222> (259)

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<220>

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<220>

1671

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<220>  
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1672

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2364

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ctgtatagct atagtggctc cttatgtata tttagattta cttacagctt gaaagtaatg 120
aacaacttgc atgaattagt ttnttgtacc acacatttta ttgttngtag gctactctcc 180
ctgaaaaaca attatttcag gaatgtattc attgtggtac ttttagaaat gattatttgt 240
gaagttaata ctcatattnt ttaccttatt tnatttttat tctgaataaa ataatatgga 300
gattcttacc ncaaannnna nncannaagt nanaannacc ctccanaag ggcgggcgcg 360
ctanaagatc caagcttacg tacgcgtgca tgcaacgtca taactcttct atagtgtccc 420
taaattcaat tcnctgggcc gtcgtttttac aacgtcntga ctgg 464

```

&lt;210&gt; 2365

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

1673

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<220>

<221> misc feature

<222> (33)

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<220>

<221> misc feature

<222> (101)

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<220>

<221> misc feature

<222> (106)

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1674

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taccggtccg gaattcccg gtcgaccac gcgtccggag nactgntggg anngggnttg 120  
tgaggtggca tcntgcncctg atnagggacc catnntgaat ttctgtgngg gatangagtt 180  
gaacaaagta gcaaaacaaa ggcaagtgan tatatgaaag attagaagca ctggaataan 240  
caggctnttt aaagtganga aattancaat gaaaaagca 279

<210> 2366  
<211> 243  
<212> DNA

1675

<213> Homo sapiens

<220>

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<220>

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<222> (205)

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1676

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<220>  
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caggtaccgg tccggaattc ccgggtngac ccacgcgtcc gtggaaatct gtcctccana 120  
atccaggcca naaagttcac agtcaaattg ggaggggtat tcttnatgca ggagacccca 180  
ggccctggag gctgcnacat acctnaatcc tgtcccangc cggatcctnc tgaagccctt 240  
ttt 243

<210> 2367  
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1677

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acgcctgcag gtaccggtcc ggaattcccg ggctcgaccca cgcgtccggt aaaacctgga 120  
taatcagngt atgttgcacc agagggnagca tnggnntttt aactgcaaaa aatgatgg 178

<210> 2368

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<212> DNA

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<222> (39)

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1678

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gcctgcaggt accggtccgg aattccccggg tcgacccacg cgtncgattn tatgnctttg 120  
tggtctctac agtaactna 139

<210> 2369  
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1679

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<220>  
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cggtcaggaa ttccccgggtc gacccacgcg tccggggctg agtgntcttg gattnctcta 120  
gaggctggca agaaccagggn ggttttgnet tgccgggtctg gacagggggt ggaaaggcca 180  
ancccgga 187

<210> 2370  
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<212> DNA  
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1680

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<220>

1681

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<220>  
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1682

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<220>  
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cccggtcga ccacgcgctc cgatagtaaa gactgntctg tggatgggag tgnntaatac 120  
attatatatt ttgtacagag antacaggcc ntngatnta ttaaaatcag nagatgntng 180  
gcctaattct tagcantant naganntttg cgccagaact ttgttgngca cgctttntgn 240  
gacnngcgtt aaaaacctgc atagccaaca ttgnagatag aacttaaant agatattcaa 300  
ataaatattt aatttttttaa attgatcttg tataatcana tgccccttna agcattatta 360  
tagaagn 367

<210> 2371  
<211> 239  
<212> DNA  
<213> Homo sapiens

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<220>  
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1683

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<220>  
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<220>  
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<222> (157)  
<223> n equals a,t,g, or c

<220>  
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<222> (178)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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ctataggnaa agctggnacg cctgcaggta cggggccgga attccccgggt cgacccacgc 120  
gtccggagat antangtaat tgtattgatc tgcagangca tccatctctt ggattctnat 180  
tncttctacc antgcagaac tttcacctgt aatcactttc ctttggcctt aangataac 239

<210> 2372  
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1684

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<220>  
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## 1685

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tgaccatgat tacgccaagc tctaatacga ctactatag ggaaagctgg tacgcctgca 120
ggtaccgggc cggaattccc gggtcgaccc acgcgtccgg cccagccgt gagattcca 180
ggagtttaca cttggtgatc agnactgaac acagaccacc aaccatggag ttggggctta 240
gctggattat ncttgntgct atgataaaag gngtnaacg 279
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&lt;210&gt; 2373

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (184)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (250)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c



1686

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ggtcgaccca cgcgtccgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
aaaaaaaaa gggngntant tt 262

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<212> DNA  
<213> Homo sapiens

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1687

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ataggggaaag ctgntacgcc tgcaggtacc ggtccggaat tcccgggctcg acccaccggt 120
tgcgctattg cgggcctnca gtcacatcgtt tcacntcacc cccctgcnc ccttggnctc 180
taantatgct aatg 194
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<212> DNA

<213> Homo sapiens

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<220>

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1688

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<220>

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<220>

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<222> (226)

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<220>

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<222> (250)

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<220>

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<222> (285)

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<220>

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<222> (286)

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<220>

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acgccaaagt ctaatacgac tcaatatagg gaaagctggn acgcctgcag gtaccgggtcc 120
ggaattcccg ggctcgaccca cgcgtccggn caggcctaaa gccattttat agctattggc 180
ctaattgtgt aactttttct ttcaaaatgt tttattataa tacttntgtc atttctttca 240
cttaatatgn caattgtcat aataaaaatt taaatttgaa aaaannana 289
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<210> 2376

<211> 177

<212> DNA

<213> Homo sapiens

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<220>

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1689

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<220>  
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<220>  
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<220>  
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tggnacgcct gcaggtaccg ggccggaatt nccgggtoga cccacgcgtc cgnaagatga 120  
tatcaatanc aatgccacct gcttgaaggc tatatgtgac aagtnactag aggntca 177

<210> 2377  
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<212> DNA  
<213> Homo sapiens

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## 1690

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<222> (173)

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<222> (193)

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<400> 2377

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tacgactcac tataggnaaa gntggtagc ctgcnggtac cggtcgggaa ttcccggggtc 120
gacccaacgcg tccgtgntaa ggctgctagc cacctgtttt gctaganaca ggncgaccta 180
cnttacttga gtnccag 197
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<212> DNA

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1691

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<220>

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1692

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gactcactat aggnaaagct gttacgcctg cangtaccgg tccggaattc ccggnctcgac 120  
ccacgcgtcc gcctttgggg tacataaaat gtcgggttct ctgaattttt tatcgaattt 180  
agaatgtctg ctacatttat ttaacttctg caaatgctta aaatgaaaac attttggaan 240  
tgcgaggatt tttgtcaagc ggattgntct cttcatatat taaatgttta cttnatatct 300  
ttaatccgaa acattaaaat agcattgaag aggcatgatt ttcaagatta agngngctat 360  
gnantaggaa tacgctttta aagaacga 388

<210> 2379  
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<220>  
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<220>  
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<220>

1693

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<220>  
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<222> (387)  
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<220>  
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tccnttcant tatttaaata aataactgnt gtgtacaaaa aaaaaaaaaa agggcggccg 120  
ctctagagga tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc 180  
acctaaattc aattcaactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt 240  
tacccaactt aatcgccctg cagcacatnc ccctttcgcc agctggcgta atagcgaaga 300  
ggcccgnaac gatcgccctt cccaacagtt gcgcagcctg aatggcgaat gggacgcgcc 360  
ctgtagcggg gcattaagcg cggnggntgt ggngg 395

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<220>  
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1694

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1695

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<220>  
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caagcttacg tacgcgtgca tgcgacgnca tagctcttct atagtgtcac cttaaattcaa 180  
ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa 240  
tngccttgca gnacatcccc ctttcgncag ctggcgtaat agcgaagagg cccgcaccga 300  
tcgccctttc caacagttgc gcagcctgaa tggcgaatgg gacgcgccct gtagcggcgc 360  
attaagcgcg gcgngtgtgg nggttacgcg cagcgtgacc gttacacttg ccagaantnc 420  
nag 423

<210> 2381  
<211> 258  
<212> DNA  
<213> Homo sapiens

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1696

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<220>  
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<223> n equals a,t,g, or c

<220>  
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cgtgcatgcg acgtcatagc tcttctatag ggtcacctaa atncaattca ctggccgctcg 120  
ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaggggg ncgggcagca 180  
canccccctt tcgccagctg gcggaagagc gaagaggngc cgcaccgatc gccctngcca 240  
acagttgcgc agcctgaa 258

<210> 2382  
<211> 306  
<212> DNA  
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1697

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<220>  
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<220>  
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<220>  
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1698

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tgcnacgtca tagctcttct atagngtcac ctaaattcaa ttacttgcc gtcgttttac 120  
aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc 180  
ctttcgccag ctggcgtaat agcnaaaagg cccgcaccga tcgcccttnc caacagttgc 240  
gcagcctgaa tgggcnaatg gggacgcgcc ctgtaaccgg ggcattaagc ncggcggggt 300  
ggtngn 306

<210> 2383  
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<212> DNA  
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1699

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<222> (342)

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## 1700

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<223> n equals a,t,g, or c

<220>  
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<220>  
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## 1701

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

<400> 2383  
ggactagttc tanatnncga gcggncgctc tagaggatcc aagcttacgt acgcgtgcat 60  
gcgacgttat agctattcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120  
acgtngngac tgggaaaacc ctggcggttac ccancttaat cgccttgacg cacatcccc 180  
tttcgccagc tgggtgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg 240  
caaaactgaat ggcgaatggg accctgccct gnaacggggc anttaagcnc ggtgggtggg 300  
gnnggtncct ccaangtgan ccgttcnttg cngcgcccta cncncgntct ttngttttct 360  
ncnttcttnc tcgncacgtt cgcggnnttc ncgaaagctc taaatcgggg gctcccttta 420  
gggttccgat ttaagggttt tacgggacct cgaccncaa aaacttgatt agggatgatgg 480  
ttcacgtagt gggcccatag nnctgatata cggtttttcg ccctttgang ttggaan 537

<210> 2384  
<211> 204  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c



## 1702

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<400> 2384  
gcccacgcgt ccggtattat attaaaatac taaaaatcct anaaaaaaaaa aaaaaaaaaa 60  
gggcggccgn tctagaggat ccaagcttac gtacgcgtgc atgcgacgac atagctcttc 120  
tatagtgnca cctaaattca attcactggc cgtngtttta caacgtngtn actgggaaaa 180  
ccctggcggt acccaacnta atcg 204

<210> 2385  
<211> 544  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (505)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (511)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

## 1703

<220>  
<221> misc feature  
<222> (533)  
<223> n equals a,t,g, or c

<400> 2385  
nggaaactca tataaaatga gcttttcctaa attaaatcta ttttaaataa agggttattac 60  
tattaaaaaa aaaatcagag aaaatcctct gtagaaaaaa tacacaaaga acatttctac 120  
agaggatttt ctctgatttt attttctttg tttctgactc taataattag ttggaaactc 180  
atataaaatg agctttccta aattaaatct attttaaata aagggttatta ctattaaaaa 240  
aaaaaaaaaa aaggggcggcc gctctagagg atccaagctt acgtacgctg gcatgcgacg 300  
tcatagctct tctatagtgt cacctaaatt caattcactg gccgtcgttt tacaacgtcg 360  
tgactgggaa aaccctggcg ttaccaact taatgcctt gcagcacatc cccctttcgc 420  
cagctggccg taatagcgaa gagggccgca ccgacgcctt ttcccaacag ttgcgcagcc 480  
tgaatggcga atgggacgcg cccntaacc ngcgcattna acnccgcggg gtngttgtgg 540  
gtta 544

<210> 2386  
<211> 212  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

1704

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<400> 2386  
gtganntaga cctcttntgc cagnengact atagggaaag ctggtacgcc tgcaggtacc 60  
ggtccggaat tcccgggtcg acccaecgct ccgccagct gctccgctca gagccttttc 120  
ctctccactt cctgttcaca cagggggggg cgggaagtgg agggaggaag ttgggggggag 180  
gcgtgtaggg gggacccatt gnntgnnnng aa 212

<210> 2387  
<211> 145  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

1705

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<400> 2387  
gacaantnct agatcgcgag cggccgctct ataggatcca agcttacgta cgcgtgcatg 60  
cgacgtcata actcttctnt tgtgtcncct aaatncaatt cactggccgt cgttttacaa 120  
cgtcgtgact gggaaaaccc aangn 145

<210> 2388  
<211> 137  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

## 1706

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<400> 2388  
taggatncan acttacattc ccnttcattg nanatcataa ctcttctata gtgtcaccta 60  
aattcaattc actggccgtc gttttacaac gtcctgactg gganancaaa aacnnaagaa 120  
attgnaaggt ccggcgg 137

<210> 2389  
<211> 162  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>

1707

<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<400> 2389  
gactagttct aggancgcga gcggncgctc tagaggatcc aagcttacgt acgcgtgcat 60  
gcgacgtcat agctcttcta tagtgtcacc taaatncaat tcaactggccg tcgttntaca 120  
acgtcgtgac tgggaaaacc caagggngag ctgtggatch na 162

<210> 2390  
<211> 155  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1708

&lt;222&gt; (154)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2390

```
gactagttct agtatcgcca gcggccgctc tagaagatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120
acgtcgtgac tgggaacccc aaaagngggg tnnnt 155
```

&lt;210&gt; 2391

&lt;211&gt; 161

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2391

```
aagcttacgg tacgcgtgca tgcgacgtca tagctcttct atantgtcac ctaaattcaa 60
ttcaactggcc gtcgttttac aacgtcgtga ctgggaaaac ntntnaaaga gttgtaaaag 120
aggccttgaa ttgaatttag tganatatag aagactatga t 161
```

&lt;210&gt; 2392

&lt;211&gt; 480

&lt;212&gt; DNA

1709

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (353)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (393)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (414)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (429)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (440)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2392

```
ggagaataaaa agaaattcct atttgaaatg aattcctcat ttggaggaaa aaaagcatgc 60
attctagcac aacaagatga aattatggaa tacaaaagtg gtccttccc atgtgcagtc 120
cctgtcccc cccgccagtc ctccacaccc aaactgtttc tgattggctt ttagcttttt 180
gttggttttt ttttccttct aacacttgta tttggaggct cttctgtgat tttgagaagt 240
atactcttga gtgtttaata aagttttttt ccaaaaaaaaa aaaaaaaggc cgggccgntc 300
tagaggatcc aagcttacgt acgccgtgca tgcgacgtat aactctttat agnggcacct 360
aaattcaatt cactgggccc gtcgtttaca cgnontgact gggaaaaccc tggngttacc 420
caacttaanc gccttggnagn aaatccccct tttgccaatt ggggtataac caaaaaggcc 480
```

&lt;210&gt; 2393

&lt;211&gt; 105

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1710

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<400> 2393  
atatagtgtc acctaaattc aattcaactgn ccgcgnttta caacntantg actgggaaaa 60  
ccctggcggtt ncccaactta atcgcccttgc agcacatccc ccttt 105

<210> 2394  
<211> 476  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>

1711

<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1712

<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (406)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)

1713

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (410)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (418)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2394

```
gccgcggntg ggccttnanc cccgngcgcc gcanaccgt cgaggacncg cacctgccgc 60
ggctggtgag ccgcacgccca ggcaccgnac ccanatacga nactcgtac ctgggcagcg 120
cgcgggagcg ncaggcgcggt tccgagggcn ccagccncgg tggcagnctg gagacgccat 180
ccaagcggag cgcgcagatc ggcccgcgca ncgcctccta ctacgcttgg tcgncgcccg 240
gcanctacaa ggccggntcg tcgcaggacg accaggagga cgcgtgcgac gacgcgctgt 300
cgcncctacag cnagctggag ctgacccgcn gtngtcccta tcgtggccgc tctanaggat 360
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagnngcn cctaaatnca 420
attcactggc cgtcgnttta caacgtcgtg actgggaaaa ccctgggggtt acccaa 476
```

&lt;210&gt; 2395

&lt;211&gt; 485

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (125)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (276)

&lt;223&gt; n equals a,t,g, or c

1714

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (470)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (483)  
<223> n equals a,t,g, or c

1715

&lt;400&gt; 2395

```
gcngtcattg agttactagc atttatctca ttggaacttt gacgccaaca aagccaccca 60
gctgagatct gttaactcat tataaggttta atttggtggt tcctagtttt gtacaagcag 120
aatantaaca ttttaagtca cttaatgaac agttcaactt aaaagacaaa ttcagtcatt 180
gagttactag catttaaaaa aaacttttat actataaacc catgttagta taaagtgtaa 240
atgtaacaat aaaatccagc aaagtaaaaa aananaaaaa gggcggccgc tctagaggat 300
ccaagcttac gtacgcgtgc atgcgacgtc atanccttct tatagtgtca cctaaatnca 360
attcactggc cggngnnnttt acaaccgtcg tgactgggaa aaaccctggc gttacccaac 420
ttaatcgnet ttgcnnngcac atccccctt ttcggcagct ggcgtaaata gcgaaagaag 480
gcncg                                         485
```

&lt;210&gt; 2396

&lt;211&gt; 234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

1716

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<400> 2396  
ccaacagtng cncagcctga atggcnaatg gcacgcgccc tgtagcggcg cattangcgc 60  
ggcggtgtg gtggatacgc gcagcgtgac cgctacactt gccagcnccc tacgcccgt 120  
cctttngctt tactttccctt cctttctcgc cacgttcagc cggctttccc cgncaaagct 180  
tntaaatcgg ngggcttccc tttanggggt cccgatttta gnggcctttt acgg 234

<210> 2397  
<211> 334  
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<220>  
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1717

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<220>  
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<222> (330)  
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<400> 2397



## 1718

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ctgacgtcat agctcttcta tagtgtcacc taaattcaat tctactggccg tngttttaca 120
acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacaatncccc 180
tttcgccagc tggngtaata gcgaagaggc ccgcaccgat cgcacttccc aacagttgag 240
cagcctgaat ggcgaatggg acgcgccttg tagcggcgca ttaagngcgg cgggtgtggt 300
ggttacgcgc ancgngacng ctacacttgn cagt 334
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<211> 306

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<213> Homo sapiens

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<222> (24)

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<222> (33)

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1719

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<220>  
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cgtgcatgcg acgtcatagc ngnnctatan tgnccacctaa attcaattca ctggccgctcg 60  
ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 120  
atcccccttt cgccagctgg cgtaatagcg aagaggcccg caccgatcgc ctttcccaac 180  
agttgcgag ctgaatggcg aatgggacgc gccctgtagc ggcgcaataa gcgcggcgagg 240  
tgtggnggta cccncaacgt gaccgtacac ttggcnagng ccctaacggc ccggttcttt 300  
tngctt 306

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<220>  
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## 1720

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<220>  
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ttatctggaa aattttgtat gagttcttga ataaaacttg ggaaccaaaa aaaaaaaaaa 120  
aaaanaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 180  
agctcttcta tagtgncacc taaattcaat tcactggcgc tcgttttaca acgtcgtgac 240  
tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccc ttccgccagc 300  
tggcgtaata gcgaagaggc ccgcaccgat cgccttccc aacagttgcg cagcctgaat 360  
ggcgaatggg acgcgccctg tagcggcgca ttaagegcgg cgggtgtggt ggttacnccg 420  
cagcgtgacc cgctacactt gccagnccc taccgcccc ntccttcgct ttcttccctt 480  
cctttntngc cagtttcgcc cg 502

<210> 2400  
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<212> DNA  
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<220>  
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<220>  
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1721

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<220>  
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<220>  
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<220>  
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 acatccccct ttcgccagct ggcgtaatag cgaagaggcc cgcaccgac gcccttccca 120  
 acagttgcgc ancctgaatg gcgaatggga cgcgcctgt agcggcgcat taagcgcggc 180  
 gggngtggtg ggtacgcgca gcgngaccgc tacacttgca gcgcctagcg ccgctctttc 240  
 gcttcttctc tctttctcgc acgtcggcgg ttttcccgtn agctctaacg gggctcctta 300  
 aggttcgatt aaggcttacg gacctcg 327

<210> 2401  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

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<220>  
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## 1722

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<220>  
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<220>  
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1723

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<220>  
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1724

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 <222> (322)  
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<220>  
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 <222> (328)  
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 ccatgggtttt caatacggtc aatgttctac actggcaaag aattnatgac cagtctctcc 120  
 catatcacaa catcacttat ncctgatttc acctanaaan gactcnattc tttgtctcat 180  
 gtctntncac cacatnatnt ccntnmngtn atccaatatg ccncatnang acnaattcct 240  
 tcctgtcaca atttgatacc cctccggcat actctatctt ggggaaaacg tcaganacaa 300  
 tcctgactcc gtctnacnt anaccacnct cttggactct tttg 344

<210> 2402  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>  
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 <222> (147)  
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<220>  
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 <222> (245)  
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1725

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<220>  
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<222> (276)  
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<220>  
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<222> (277)  
<223> n equals a,t,g, or c

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<222> (282)  
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<220>  
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<220>  
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<220>  
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<220>  
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<222> (433)  
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<220>  
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<222> (435)  
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cgacgcgtct ctttggaagc caccccaagg ctgtccctgg acgcagncgt cccagagcc 120  
ccggaacca ccagtgcctt ggacggnggt cccagcaact ttggagctgg ccgcagtgtg 180  
ccagggtctc tctgtgtctc cagagccctg tctgtcgtg ggagctccat ctctcctgcc 240  
ccacncatna tgccagagac tgcagcctca gaccnnggg angtgctgga gccacagtgc 300



## 1726

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agaggtggtg cccaactcag aggaccaggg accgggcgcc gccttcacgc tcagtgaanc 360
aagccctacc cagagctcan gcctgcagtt cagtggctgt cctgaacttt ggcaagaana 420
tctggagggg gcncnactgg gcat 444

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<211> 522

<212> DNA

<213> Homo sapiens

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<222> (37)

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<222> (472)

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<222> (476)

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<222> (501)

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<220>

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<222> (509)

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<220>

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<222> (516)

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<400> 2403

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aaagaggagc cagcagatga ggaggaagag gccaaagatga aggcctcctcc caaagcagcc 120
aggaagactc caggcctccc gaaggatgta tctgtggcag agctgctgag ggagctgagc 180
ctcaccaagg aagaggaact gctgtttctg cagctgccag acaccctccc tggccagcca 240
cccaccagc acatcaagcc tatcaagaca gaggtgcagg gcgaggacgg acaggtggtg 300
ctcatcaagc aggagaaaga ccgagaagcc aaattggcag agaattgcttg taccctggct 360

```

## 1727

gacctgacag agggtcagggt tggcaagcta ctcatccgca agtctggaag ggtgcaactc 420  
cttttggggca aggtgactct ggacgttgac catgggaact gcctgctcct tntgnagga 480  
gctggtgtcc gtgggccttg nagacagtnt gacatntgag at 522

<210> 2404  
<211> 168  
<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (161)  
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<220>  
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<222> (163)  
<223> n equals a,t,g, or c

<220>  
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<222> (166)  
<223> n equals a,t,g, or c

<220>  
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<222> (168)  
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ggatcgctgc agcgagggtc tggcggctaa acggtggttt gagccaggct gccctcctgc 60  
tgctgcggca gcctggggct cggggactgg ctagatctgt gactacctgg gccccaggcg 120  
gttttcccaa aggggattan ggatgtaaag gctatcttca nantgnng 168

<210> 2405  
<211> 574  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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## 1728

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<220>  
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<220>  
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<222> (513)  
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<220>  
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<220>  
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tgactctcca tctgtgagaa agacacactg cagtgggaagg aaacacaaaag agaattgtgaa 120  
agactattac ctctactacc attctctgct cctcctcctg cagggggcgat gataccacct 180  
ccccccagcc ttccgggtcc tcctcgccct ggtatgatgc cagcacccca tatggggggc 240  
cctcccatga tgccaatgat gggccctcct cctcctggga tgatgccagt gggacctgct 300  
cctggaatga ggccgccatg ggaggccata tgccaatgat gcctggggcc ccaatgatga 360  
gacctcctgc ccgtcccatg atggtgcca ctcggccgga atgactcgac cagacagata 420  
aggatagagg ggaggcctta ttggatcggn ttatattacc tgnctgntta ccaggagatc 480  
atgctgctgg gatactgagt tttntaaaca gcntanggaa nacttgggtcc ccttgtccta 540  
tgaaaagaga atagtttttg aggggaanaa atgg 574

<210> 2406  
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<220>

1729

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<220>  
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<222> (457)  
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<220>  
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<222> (469)  
<223> n equals a,t,g, or c

<220>  
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<400> 2406  
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ttacctccgc tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc 120  
ggccttgagc gctgagcaag caaagggtgt cctcgcgagg gtgatccagg cgttctccgc 180  
cccggagaat gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtgt 240  
ccttaagttt gctcgcttgg tcaagtccta cgaagcccag gatcctgaga tcgccagcct 300  
gtcaggcaag ctgaaggcgc tgtttctgcc gcccatgacc ctgccacccc atgggcctgc 360  
tgctggtggc agcgtggccg cctcctgaga gttggccctc ccttgtgcca ctgccagggg 420  
aggaaaggcc ttgatgttcc agacaataat naatgcncct gtgacttana aaaaaaaaaa 480  
aan 483

<210> 2407  
<211> 503  
<212> DNA  
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<220>  
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<220>  
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<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>

## 1730

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<220>  
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 <222> (454)  
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<220>  
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 <222> (487)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (488)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (497)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (501)  
 <223> n equals a,t,g, or c

<400> 2407  
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 tgaagccaga gaaaggaaaag ccaagatgac agattttgat cgttttaaaag ttatgaaggc 120  
 aaagaaaatg aggaacagaa taatcaagaa tgaagttaag aagcttcaaa aggcagctct 180  
 cctgaaagct tctcccaaaa aagcacctgg tactaagggt actgctgctg ctgctgctgc 240  
 tgctgctgct gctgctgcta aagttccagc aaaaaagatc accgccgcna attaaaaagc 300  
 tcccacccaa aaggttcctg cccanaaagc cacaggccan aaagcacgcc tgctccaaaa 360  
 ctcanaaagg tcaaaaaactc caccagaaa cactctccaa agctctggca aaaaacatat 420  
 tgcatacataa aattataagt cttttgactg ttanaatgta aaaaaaaaaa ggggcctcta 480  
 aagacanntc ttccttntca ntc 503

<210> 2408  
 <211> 632  
 <212> DNA  
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<220>  
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<220>

1731

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<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
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<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
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<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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1732

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (519)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (577)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (584)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (593)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (595)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2408

```

aacgccncaa taagctcgct tggngcccca ggtaccggtn cggaattccc gggtcgaccc 60
acgcgtccgc tcatggaaaa ggagttccct ggatttttgg aaaatcaaaa agaccctctg 120
gctgtggaca aaataatgaa ggacctggac cagtgtagag atggcaaagt gggcttccag 180
agcttctttt ccctaattgc gggcctcacc attgcatgca atgactatct ttagtacac 240
atgaagcaga agggaaaagaa gtaggcagaa atgagcagtt cgctcctccc tgataagagt 300
tgtcccaaag ggtcgcttaa ggaatctgcc ccacagnttn ccccatanaa agganatang 360
gaccnnaanc aggacacttn agcaaataa aaaataaaat ctaactctca tttgacaagc 420
agagaaagaa aagttaaata ccagataagc ttttgatttt tgnattgggt gcatccccct 480
gccctcaata aataaagttc ttttttagtt ccaaaaaana aaaaaaaggg cggccgctct 540
aaaggatcca agcttacgta cgcgtgcatg cgacgtnata gctnttctat agngncacct 600
aaattcaatt cactggccgg nggtttacaa cg                                     632

```

1733

&lt;210&gt; 2409

&lt;211&gt; 320

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (135)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (139)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



1734

<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<400> 2409  
ncactatagg gnnaggtgga acgcccgcag gtaccgggtcc ggaattcccg ggtcgaccca 60  
cgcttttcgag cgcnttttccc ctgntgacat cgacactcat acagngaaag tatgaccctt 120  
ccctgaagcc cctgncngnt tcctatgata aagcaacttc cctgaggatc ctcaacaatg 180  
gtcatgcttt caacgnggag ttggatgact ctgaggacaa agcagtgttc aagggaggac 240  
ccctggatgg cactaacaga tggattaagc ttcactttta ctgggggttna cttnatggac 300  
aaaggntnaa aacataactng 320

<210> 2410  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

1735

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (177)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

## 1736

&lt;400&gt; 2410

```

gagctccccg ctggcctttc caaaggccac agaggaggna aaagcatcta agcctcacca 60
tgaatggccc agtggnaccc antttgcccg gacaggggac cccaatagca angctctgcc 120
tccttggccc caattcaacc aggcggaaac aatttctgga aatcaacca ntgccanggg 180
ccggacaaaa ttccaggag gcctggatgc tattctggtc aaaaaccctc cccaacaaaa 240
tacaacntgg ccccanancc aaaaaaacg gaagggccct ggagggactn ctgaaggcag 300
gcctaaanct ttcttggggt tggggcaaac caa 333

```

&lt;210&gt; 2411

&lt;211&gt; 652

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (607)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2411

```

gggcttcaac gacgagctgg aagccttcaa ggagcgtgtg cggggccgtg ccaagctgcg 60
catcgagaag gccatgaagg agtacgagga ggaggagcgc aagaagcggc tcggccccgg 120
cggcctggac ccgctcgagg tctacgaatc cctccctgag gaactccaga agtgcttcga 180
tgtgaaggac gtgcagatgc tgcaggacgc catcagcaag atggacccca ccgacgcaaa 240
gtaccacatg cagcgtctgca ttgactctgg cctctgggtc cccaactcta aggccaaagcg 300
aaggccaagg agggagagga ggcaggtcct ggggacccat tactggaagc tgttcccaag 360
acgggcgatg agaaggatgt caagtgtgtg acctgcccc a gctaccaccg tcacctgctt 420
ccaggccccct atgtgcccc tttcagaaaa cagatagatg ccatctcgcc cgctcctgac 480
ttctctactt gcgctgctcg gcccagcctg gggggcccg cagcctcctg gcttttact 540
gttttactct cagcgccatt aagtctctgc tttagtcaag gggcttact gctgaagccc 600
catacantat gcaaggccgg gtccgggagg cagagtacca gctgtctaca gt 652

```

&lt;210&gt; 2412

&lt;211&gt; 532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (489)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2412

```

aggctttatc atcgacgata gcgtacttta tagcgggtgcc agcctgaacg atgtttacct 60
gcatcagcac gataaatatc gctacgaccg ttatcatctg atccgtaacc gtaagatgtc 120
agacattatg tttgaatggg ttacacagaa tattatgaat ggccgcggcg ttaatcgtct 180
ggatgatgtt aatcggccaa aaagcccggg aatcaagaac gatattcgtc tgttccgcca 240
ggagctgctg gatgccgctt atcattttcca gggcgatgcc gacaacgatc agctttctgt 300
aacgccgcta gtggggctgg ggaaatcgag tctgttgaac aagaccattt tccatcttat 360
gccttgtgcc gagcagaaac taaccatctg tacgccatac ttcaacctgc cagcaatcct 420
tgtgcgcaat attatccagt tgctgcgcga agggaaaaag gtcgaaatta ttgttggtga 480
taaaaccgng aatgacttct acattccgga agatgaacct ttcaagataa tt 532

```

1737

&lt;210&gt; 2413

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (288)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (359)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (381)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (405)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

1738

<400> 2413  
ggcacgagct cgtncgtttg gnaggggggtt gtncctctct tcgatgcatt ccagccttgg 60  
actcattgac tccagctaata gaagatcaaa aaattggtat agaaattatt aaaagaacac 120  
tcaaaattcc agcaatgacc attgctaaga atgcaggtgt tgaaggatct ttgatagttg 180  
agaaaattat gcaaagttcc tcagaagttg gttatgatgc tatggctgga gattttgtga 240  
aatatggtgg aaaaagggaa tcattgaccc aacaaagggt gtgaaganct gctttatttg 300  
ggtgctgctg gtgtgggccc ctctgtttaa cctacagcag aagttttagtag gtccccagna 360  
attcccaaag aaggagaagg ncccctggaa tgggtgcaat gggtnngaat tgggagggtt 420  
gtatttgga ggtggcatnt tcct 444

<210> 2414  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>

1739

<221> misc feature  
 <222> (174)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (214)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (245)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (254)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (273)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (315)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (318)  
 <223> n equals a,t,g, or c

<400> 2414  
 tnggcgtnac ttttccggtg ccacagtcct angactcnct cctcagagcc gtgggaccgt 60  
 gccctcagca gcttggcacc cagactacan ctgaacgtga atcacaagcc agcaacacca 120  
 aggtgacaag agattngccc aaatcttggtg acaaaactac acatgcccac cgnnccagac 180  
 ctgaactcct ggggggaccg cagcttctct tccnccaaaa cccaagacac gctatgatct 240  
 cccgncccct gagncacatg cgtggtggtg acngtagcca cgaagaccct gaggcaagtc 300  
 aactggacgt ggacngcn 318

<210> 2415  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1)  
 <223> n equals a,t,g, or c

1740

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

1741

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (406)  
<223> n equals a,t,g, or c

<400> 2415  
nnccgccgggt ttccccgggg aaaaattttt ccccgggggg ggttccccgga accccccaaa 60  
ccggccggtt ctccggggcn cccggggggg gaaaaagggg gccttcntta aggaaaaaaa 120  
aagggggggg ccngcccaa ttggggccgn aatccccaaa accccaattc cggggccaag 180  
gccccggaat ttccccgtgg gttcttttgg gaatccaacc ggggggggtgg ggggaaaggg 240  
gggaaacccc gtcgggcccg tcnccttgcc gtggnggggc cccattgggg ggtggaagaa 300  
ccacctcaa gttactggag acctanagtc cagaatgctt gtagtgagcc aagtcagtg 360  
tctaagtatt tatttaaaac aaaagaatcn ccgttaaaan acatnn 406

<210> 2416  
<211> 648  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



1742

<222> (456)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (460)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (465)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (473)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (581)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (583)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (586)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (624)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (647)  
 <223> n equals a,t,g, or c

<400> 2416  
 ggagttcagc tatgaactct ccaaagtggg agggaaaaca gggacccctg agaagcccct 60  
 ctcagacctt ggcctcctat cctatcgaag ctactgggtcc cagaccatcc tggagatcct 120  
 gatggggctg aagtcggaga gcggggagag gccacagatc accatcaatg agattagtga 180  
 aatcaccagc atcaagaagg aggatgtcat ctccactctg cagtacctca atctcatcaa 240  
 ctactacaag ggccagtaca tcctcacact gtcagaggac atcgtggatg gccatgagcg 300  
 ggccatgctc aagcggcttc tgcggatccg acttcaagtg tctgccttna ttcccaggga 360  
 ctggaanaag aaggggggaa ntggtgacca gacactggcc actggaattg cccaagacgg 420

## 1743

```

gnagcagggga cttggggggct tgaatagccc aatncnggcn cccanttgga agnttccac 480
aaaagcaact tttaagggga aaatggggct tgagggacaa gttcaaaaaa gggataggac 540
cagggccttg gcagggggcc ccactgggtg gccaacacc nangcnaagc ttccgggctt 600
aagaccaact ttcaaaggct aagntgggccc caaggcccaa ggcttcnt 648

```

<210> 2417

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<400> 2417

```

ggctacacta gagcagagta cgagtctgag gcggagggag taatggcagg acaagcgttt 60
agaaagtttc ttccactctt tgaccgagta ttggttgaaa ggagtgtctgc tgaaactgta 120
accaaggag gcattatgct tccagaaaaa tctcaaggaa agtattgca agcaacagta 180
gtcgtgttg gatcgggttc taaaggaaag ggtggagaga ttcaaccagt tagcgtgaaa 240
gttggagata aagttcttct cccagaatat ggaggcccaa agtagttcta gatgacaagg 300
attatttcct atttanagat ggtgacattc ttggaaagta cgtagactga aataagtcac 360
tattgaaatg gcatcaacat gatgctgccc attccactga agttctgaaa tctttcgtca 420
tgtaaataat ttccatattt ctcttttata ataaactaat gataactaat gaaaaaanan 480
n 481

```

<210> 2418

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

1744

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2418

```
ggttcgggtat cgcccgtgcc ggtagcgccg ctgccaccgn tcaccatggg cccgggtcct 60
cggctgctgc tacctctcgt gctttgcgtg gggctcggcg cacttggtgt ttcttcgggg 120
gccgaggggt tccgcaagcg aggccctcgt gtgacggcca aggtcttctt tgatgtgagg 180
attggagaca aagatggttg cagaattgtg attggcctct ttggaaaagt tgtgccaag 240
acagtggaaa attttggtgc tctagcaaca ggagagaaag gatatggata taaaggaagc 300
aagttttcat cgtgtcatca aggatttcat gattnt 336
```

&lt;210&gt; 2419

&lt;211&gt; 410

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (115)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (131)

1745

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

1746

<220>  
 <221> misc feature  
 <222> (318)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (328)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (337)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (401)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (410)  
 <223> n equals a,t,g, or c

<400> 2419  
 gatatcatat agtaaaaccc agcccatgac ccctaacagg ggccctctca gccctcctaa 60  
 tgacctccgg cctaaccatg tgattncact tccactccat aacantcctc anannangcc 120  
 tactaaccaa nacactaanc atataccaat gatggcgcgga tgtatcacga gaaagcacat 180  
 accaaggcca ccacacacca cctgtccaaa aaggcctncg atacgggata atcntattta 240  
 tnaccncana agtttttttc ttencaggat ttttctganc cttttaccac tcnancctag 300  
 cccctacccc ccaattanga aggcactngn ccccaanatg catcaccccg ctaaatacccc 360  
 tagaatccca ctctaaaca catccgtatt actcgcatca ngaatatcan 410

<210> 2420  
 <211> 536  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (80)  
 <223> n equals a,t,g, or c

<220>

1747

<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
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<222> (341)  
<223> n equals a,t,g, or c

<220>  
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<222> (410)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (418)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1748

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2420

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gcatgcctat catatagtaa aaccagccc atgacccta acaggagccc tctcagccct 60
cctaatagacc tccggcctan ccatgtgatt tcaattccac tccataacgc tcttcatact 120
aggcctacta accaacacac taaccatata ccaatgatgg cgcgatgtnn cagagaaaag 180
cacataccaa ggccaccaca caccacctgt ccaaaaaggc cttcgatacg ggataatcct 240
atattattacc tcanaaattt ttttcttcgc aggatttttc tgancctttt accactccag 300
cctagccctt acccccctaat taggaaggca ctggccccca ncaagcatca ccccgctgaa 360
tcccctaaaa tccactccta aacacatccg tatttatcac atcaagaatn tcaatcanct 420
gaactcacca taatctatta gaaacaccna aancaatnat nccagcangg ttattacatt 480
ttatggtctc tatttacctc ctaaaactca aatattcaat ctccttcaca ttcca 536
```

&lt;210&gt; 2421

&lt;211&gt; 613

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1749

<222> (101)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (290)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (371)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (539)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (581)  
 <223> n equals a,t,g, or c

<400> 2421  
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 ccccgggctg caggaatncg gcacgaaatt tattacctca naagtttttt tcttcgcagg 120  
 atttttctga gcctttttacc actccagcct agccccctacc cccaatttag gagggcactg 180  
 gcccccaaca ggcatacacc cgctaaatcc cctaaaagtc ccactcctaa acacatccgt 240  
 attactcgca tcaggagtat caatcacctg agtcacccat agtctaatan aaaacaaccg 300  
 aaaccaaata attcaagcac tgcttattac aatttttactg ggtctctatt ttaccctcct 360  
 acaagcctca nagtacttcg agtctccctt caccatttcc gacggcatct acggctcaac 420  
 attttttgta gccacaggct tccacggact tcacgtcatt attgggtcaa ctttcctcac 480  
 tatctgcttc atccgccaac taatatttca ctttacatcc aaacatcact ttggcttcna 540  
 aaccgccgcc tgatactggc attttgtaaa tgtgggttga ntattttctgt atgtctccat 600  
 ctatggatga agg 613

<210> 2422  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (315)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (317)  
 <223> n equals a,t,g, or c



## 1750

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<400> 2422  
gatgacccct aacaggagcc ctctcagccc tcctaattgac ctccggccta gccatgtgat 60  
ttcacttcca ctccataacg ctctcatac taggcctact aaccaacaca ctaaccatat 120  
accaatgatg gcgcgatgta acacgagaaa gcacatacca aggccaccac acaccacctg 180  
tccaaaaagg ccttcgatac gggataatcc tatttattac ctcagaagtt tttttcttcg 240  
caggattttt ctgagccttt taccactcca gcctagcccc tccccccaa ttaggaaggc 300  
actggccccc aacangnatc acccogetta atccctana atttccactt cctaaacaca 360  
tccgtttttna tcgcatccgg gatttttncct c 391

<210> 2423  
<211> 459  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1751

<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (342)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (421)  
<223> n equals a,t,g, or c

<400> 2423  
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ggcgcatgag ctggaatcct angcacagct ctaagcctcc ttattcgagc cgagctgggc 120

## 1752

cagccangca accttctang taacgaacac atctacaacg ttatcgtcac agccatgcat 180  
ttgttataat cttcttcata gtaataccat cataatcgga agntttggna actgactagt 240  
ccccnataa tcggtgcccg atatgggggtt tccccgcata aacaaataac tctgaatctt 300  
actcctctct cctaattctg gtcgatctgc tntntggagg cngacaggaa naggtgaaca 360  
tctacnctt acaggaatat ccacctgaac ncgtaactac tctctcttnc taaagggttc 420  
ncttttgggc tcattctcca cattcttaac ccgctacat 459

<210> 2424

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (695)

<223> n equals a,t,g, or c

1753

<220>  
 <221> misc feature  
 <222> (712)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (723)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (726)  
 <223> n equals a,t,g, or c

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 ttttccttat ctgcttccta gtccgtgatg cccttttccct aacactcaca acaaaactaa 120  
 ctaataactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccggcca 180  
 tcacccctagt cctcatcgcc ctcccatccc tacgcacccct ttacataaca gacgagggtca 240  
 acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300  
 ccgactacgg cggactaatc ttcaactcct acatacttcc cccattattc ctagaaccag 360  
 gcgacctgcg actccttgac gttgacaatc gagtagtact cccgattgaa gccccattc 420  
 gtataataat tacatcacaa gacgtcttgc actcatgagc tgtcccacat taggcttaaa 480  
 aacagatgca attcccggac gtctaaacca aaccactttc accgctacac gaacggggggg 540  
 tatntacngt caatgctctg aaatctgntg gancaaacca cantttcatg cccatcgtcc 600  
 taagaattaa ttcccctaaa aatctttgaa attagggccg tntttaccta tagcaccct 660  
 ctacccctct tgaacaaaaa aaaaaaanaa atccnagggg gggccggccc cnttcccccc 720  
 atntgntttt ttaaattccc ggggcgc 747

<210> 2425  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (396)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (494)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (503)  
 <223> n equals a,t,g, or c

1754

<220>  
<221> misc feature  
<222> (507)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2425  
gcgctacttc ccctatcata gaagagctta tcacctttca tgatcacgcc ctcataatca 60  
ttttccttat ctgcttccta gtctgtatg ccccttttct aacactcaca acaaaactaa 120  
ctaatactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcga 180  
tcctcctagt cctcatcgcc ctcccatccc tacgcctcct ttacataaca gacgaggcca 240  
acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300  
ccgactacgg gggactaatc ttcaactcct acatacttcc cccattattc ctagaacagg 360  
cgacctgcca ctcttgacg ttgacaatcg aattantact cccgattgaa gccccattc 420  
gtataataat tacatcacca agaagtcttg gcctccatta aactttttcc cccacattta 480  
gggcttttaa aaanaaaaat gcnattnccc cggnaaacttt cttaaanccc aaacc 535

<210> 2426  
<211> 563  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (556)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (557)  
<223> n equals a,t,g, or c

1755

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2426

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ctcagacgct caggaaatag aaacggtctg aactatcctg cccgccatca tcctagtctt 60
catcgccctc ccateccctac gcateccttta cataacagac gaggtcaacg atccctccct 120
taccatcaaa tcaattggcc accaatggta ctgaacctac gagtacaccg actacggcgg 180
actaatcttc aactcctaca tacttcccc attattccta gaaccaggcg acctgcgact 240
ccttgacggt gacaatcgag cagtactccc gattgaagcc cccattcgta taataattac 300
atcacaagac gtcttgcaact catgagctgt cccacatta ggcttaaaaa cagatgcaat 360
tccgggacgt cttaaaccaaa ccactttcac cgctacacga ccgggggtat actacgggtca 420
atgctctgaa atctgtggag caaaccacag ttcatgccc atcgtcctag aattaattcc 480
cctaaaaatc ttgaaatag ggnccgtatt taccctatag canccctct aaccctcta 540
gagccaaaaa aaaaannnaa aaa 563
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&lt;210&gt; 2427

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (431)

&lt;223&gt; n equals a,t,g, or c

1756

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (497)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (535)  
<223> n equals a,t,g, or c

<400> 2427  
nagaancatg gatccccngg ctgcagantc ggcanagtaa cagacgaggt caacgatccc 60  
tcccttacc a tcaaatacaat tggccaccaa tggtagtgaa cctacgagta caccgactac 120  
ggcggactaa tcttcaactc ctacatactt cccccattat tcttagaacc aggcgacctg 180  
cgactccttg acgttgacaa tcgagtagta ctcccgattg aagcccccat tcgtataata 240  
attacatcac aagacgtctt gcactcatga gctgtcccca cattaggctt aaaaacagat 300  
gcaattcccg ggacgtctaa accaaaccac tttcacccgg acacgaccgg ggggtatact 360  
acgggtcaat gctctggaaa tctggtggga gcaaaccaca gtttcatggc ccatcgctct 420  
agaattaatt ncccctaaaa atctttggaa taggggnccg tatttaccct atagnaaccc 480  
ctctancccc tctaggngcc aaaaaaaaaa aaaaaactgg gggggggccc ggaanc 536

<210> 2428  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

1757

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (466)  
<223> n equals a,t,g, or c

<400> 2428  
cgttatcatt tatgtgcctt ttatagtgtg aacacatcac caccctgaat ataatttttag 60  
tgtttagaga taaatattat ttgcaacaat attcatctca tctcaagaaa cgctcctata 120  
gggtatggag aattttaaagg acctgtaggt tatgatgatt ataacgaaat aaccaaagca 180  
ggatttcaat gaccagccca caaaagtatc ctgtgtacta ctgggttgga ggtggagggg 240  
ggttgttctt aagtaagaac ccctaacatg taactctgtg gtttttatgt ttcattaact 300  
atttaatcta ccaatatgga actaggttca ntaagaagaa ngacagenta gatcettaca 360  
tatacacacc ctttggaaact ggacccaaaa ctgcattggc atgagggttt gctctcatga 420  
acntgaaact tgntctaate agaggccttt canaactct cctttnaacc ttg 473

<210> 2429  
<211> 315  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c



1758

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2429

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gcacctgtgg aanttgatcg aaggcgggtgc ccacatctac gtctgtgggg atgcacggaa 60
catggccagg gatgtgcaga acaccttcta cgacatcgtg gctgagctcg gggccatgga 120
gcacgcgcag gcggtggact acatcaagaa actgatgacc aagggccgct actccctgga 180
cgtgtggagc taggggcctg cctgccccac ccacccaca gactccggcc tgtaatcagc 240
tctcctggct cctcccgta gtctcctggg tgtgtttggc ttggccttgg catgggcgca 300
ggcccagtga caaan 315
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&lt;210&gt; 2430

&lt;211&gt; 526

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (310)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

1759

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

## 1760

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2430

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gattcagaga ttttccgacc ttctcccat ggggtgtgcc cacattgtca cccaacacac 120
cagcttccga gggtagatca tcccaagga cacagaagta tttctcatcc tgagcactgc 180
tctccatgac ccacactact ttgaaaaacc agacgccttc aatcctgacc actttctgga 240
tgccaatggg gcaactgaaa agactgaagc ttttatcccc ttctccttag ggaagcggat 300
ttgtcttggn gaaggcatcg cccgtgcgga anttgntcct ctcttcacca ccaccttca 360
gaacttctnc atggnccagcc ccgtggnccc agaagacatc natctgacac cccnagaang 420
tggtgtgggg caaaaaaacc ccccaacata ccagaaccgc nnttcttggc cccgctgaaa 480
gggcttangg gaaagggggg caaaaggaat tccaggnca atncaa 526
```

<210> 2431

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

1761

<220>  
<221> misc feature  
<222> (497)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (511)  
<223> n equals a,t,g, or c

<400> 2431  
gctttctccgc tcctttctagg atctccgcct ggttcggccc gcctgcctcc actcctgcct 60  
ctaccatgtc catcaggggtg acccagaagt cctacaaggt gtccacctct ggcccccggg 120  
ccttcagcag ccgctcctac acgagtgggc ccggttcccc catcagctcc tcgagcttct 180  
cccagagtggg caagcagcaa ctttcgcggt ggcctgggcg ggcggctatg gtggggccag 240  
cggcatggga ggcatcaccg gagttacggt aaccagagct gctgagcccc cttgtcctgg 300  
aagtggaccc caacatcagg ccgtgcgcac ccaggagaag gagcagaatc aangaccctt 360  
aacacaagtt ngcctcctta taaacaaggg aacggttctt ggaccanaat acaagatgct 420  
tggaagacaa gtggaagcct cctgcagnac aagaagacgg ntcgaagcaa catggccaac 480  
atgttcgaan agctacntta acaacttagg ngg 513

<210> 2432  
<211> 641  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (467)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (552)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (569)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (587)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (632)  
<223> n equals a,t,g, or c

1762

<220>  
<221> misc feature  
<222> (633)  
<223> n equals a,t,g, or c

<400> 2432  
gcgatcttgg ggagccacac agcccgggtc gcaggcacct ccccgccagc tctcccgtt 60  
ctcgcacagc ttcccgcgc gtctgctgag ccccatggcc cacgccagc tctccgccgc 120  
ccccagcaat ccccggtcc tgcgggtggc gctgctgctc ctgctcctgg tggccgccag 180  
ccggcgcgca gcaggagcgt ccgtgggtcac tgaactgcgc tgccagtgtc tgcagacact 240  
gcagggaatt cacctcaaga acatccaaag tgtgaatgta aggtcccccg gacccactg 300  
cgcccaaacc gaagtcatac ccacactcaa gaatgggaag aaagcttgct tcaacccgc 360  
atcccccatg gttcagaaaa tcatcgaaaa gatactgaac aaggggagca ccaactgaca 420  
ggagagaagt aagaagctta tcagcgtatc attgacactt cctgcanggt ggtccctgcc 480  
cttaccagag ctgaaaatga aaaagagaac agcagctttt ctagggacag ctggaaaagg 540  
acttaatgtg tntgactatt tcttacgang gttctactta attatgnatt tatttttgaa 600  
aagcttggat tttaatatatt tacaatgctg gnnatttaaa g 641

<210> 2433  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (255)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1763

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2433

```

aggaaactttc cggaatgaca attctgctga gatgtgccgg aagtgcagca caggggtgccc 60
cagaaggatg gtcaaggtca aggattgtac gccctggagt gacatcgagt gtgtccacaa 120
agaatcaggc aatggacata atatatgggt gatttttgtt gtgactttgg ttgttccgtt 180
gctgttngtg gctgtgctga ttgtctgggt ttgcatcggc tcangttgtt gaagggaccc 240
caagtgcattg gacanggtgt gtttctggcg cttgggtctc ctangaaggn ctggggctga 300
agacaatgct canaacg                                     317

```

&lt;210&gt; 2434

&lt;211&gt; 407

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (356)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2434

```

gctttattcc catcctggtt tccaactata acccaaagga atttgaaagt tgtattcagt 60
attatttgga aaacaattgg cttcaacatg agaaaagctcc tacagaagaa gggaaaaaag 120
agctgctgtt cctaagtaac gcgaacccct cgctgctgga gcggcactgt gcctacctct 180
aagccaagat cacagcatgt gaggaagaca gtggacatct gctttatgct ggacccagta 240
agatgaggaa gtcgggcagt acacaggaag aggagccagg cccttgtacc tatgggattg 300
gacaggactg cagttggctc tggacctgca ttaaaatggg tttcactgtg aatgcntgac 360
aataanatat tcccttgncc taaaacttta tatcanntta ttggatg                                     407

```

&lt;210&gt; 2435

1764

<211> 315  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1765

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<400> 2435

```
gtcncggtcc cgggtccgga atncccggtt cgaccacgc gtccgatcca ccanttatct 60
ttnaaaagcc tgccaagacc agcaaanggc cgggttcggt tnaggaagaa ctccttancc 120
naaccgaaac tgttgtgact gaatatctaa atagtggaaa tgcaaatgag gctgtcaatg 180
gtgtaagaga aatgaggggt cctaaacact ttcttctga gatgttaagc aaagtaatca 240
tctgtcact agatanaanc gangaagata aanaaaaagc aagttctttg atcagnttac 300
tcaaacagga aggga 315
```

<210> 2436

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c



1766

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (177)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<400> 2436  
ggcgcgtcttt aatantggat cccccnggct gcatgaattc cgctcnanga nactctttt 60  
tattgtactc gtgaataatg atgaaggaga atggaatggc ccaccacctn aatgcaaaag 120  
gaaaaatctc taacttccaa aggtcccacc agcagttcag aaaacctacc aacagtnaat 180  
gttccaacta cagaangtct cncnacttc tcagaaagcc ancaca 226

<210> 2437  
<211> 457  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

1767

<220>  
 <221> misc feature  
 <222> (308)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (323)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (357)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (365)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (399)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (402)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (424)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (431)  
 <223> n equals a,t,g, or c

<400> 2437  
 aagtatcagg tcttgccctct gaatgtgctc ctttcccttc cagatcaaga tcacccacaa 60  
 gaaccagatg cccatgctca tggggccacc ccccgcctcc accaatttct ttggcttctt 120  
 gagctaaggg ggacaccctt ggccccaag ccagccttga acccacctcc ctgtccctgg 180  
 actctactcc cgaggctctg tacattgctg ccacatactc ctgccagctt gggggagtgt 240  
 tccttcaccc tcacagtatt tattatcctg caccaccttc actgttcccc atgcgcacnac 300  
 acatacanac accccaaaac acntacattg gaaagtggct tcattgaata aaaggantgt 360  
 gtttnccttt ggggatctgc taagtaaggg gtaaattcnt tnttttaaaa cttcaatcct 420  
 taangaagta nattctccca gaagcaaaaga aaaattc 457

<210> 2438

1768

<211> 369  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<400> 2438  
gggtggcgat ggcactgtgg gctgggtgct tggcgccctg gaggagacac ggtaccgact 60  
ggcctgcccg gagccttctg tggccatcct gcccctgggc acagggaatg accttggtcg 120  
agtccctccg tggggggcgg gctacagcgg cgaggaccgg ttctccgtac tgctgtctgt 180  
ggacgaggcc gacgccgtgc tcatggaccg ctggaccatc ctgctggatg cccacgaggc 240  
tggcagtgca gagaacgaca cggcanacgc agagcccccc aagatcgtgc agatgagtaa 300  
ctacttggtg cattggcatc naccnggact gancctggac ttcaccaagc accgnaanga 360  
ggaacctgc 369

<210> 2439  
<211> 251  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)

1769

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

1770

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2439

```

ccngatggct gaagaggggtg ngccggcgcc cctgcctcca gaggacgccc ctaacgccgc 60
atccctggcg ccnacccttg ngcccccggn cctcgagccc tttaatctga cttcggagcc 120
ctcggacnac gcncctggacc tcagcacttt cctccagcaa naccgggacg cttcnaacn 180
gggacncccc gaactcccca aaaagaaacc gaaaaaccca caaagaaaac accaaggcng 240
taccgggggg c 251

```

&lt;210&gt; 2440

&lt;211&gt; 367

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (303)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (330)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (351)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2440

```

gtggatgcac acctctgttc ataccaaagc tggctggcag tcaactgtct ggagctaaag 60
gtggaaagaa gtctgatcag tcaaactgta gcctggaacc attactacag cagctttcaa 120
caagctacaa aacaatgccg gatgtgtgcc aagctttctaa tctgtttcct gcattgaggt 180
ctttaaactg ttgtctacct tccagcttat agaaatctcc cacttatttg gaaaaaaaaa 240
atgtctttgtg gcaagcaaca aaaattggga ctccctgctc caaaaaacat gttgggatgg 300
ggnaattttt ctttaacagg gttgaaccn attgaaaaaa ccancctcct ngtttaattt 360
naagaaa 367

```

1771

&lt;210&gt; 2441

&lt;211&gt; 322

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (176)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (198)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (219)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (226)

&lt;223&gt; n equals a,t,g, or c

1772

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<400> 2441  
ggcagannaa agatggagat gagtttaata attcaattng ccagttattt cttgctttca 60  
atatgctgat ggacaggcct ctggaggaag ccgtcaagat caanggggca nctttgaagt 120  
accttcctag cataattaat gatgtcaaac ttgtatttga tcctgttgag ctcagngtgc 180  
tcttctgcaa attcattnaa agcattcctg acaaccagnt gggttcngcan aaacttaact 240  
gcatgaccaa gatagtagag agcactcttt ttcnacagtc agagtgcana gaagtgctgc 300  
tgccactgct gacggaccan ct 322

<210> 2442  
<211> 365  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)

1773

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 2442

```
ggttgcggtc aagatggcgc tggtaggttc tgtgcgagtc ccggcgcgcg ttctgctccg 60
cgcgggggcc cggtctcccg gcgcggccct cgggcggacg gagcgggcgg ccggcggcgg 120
agacggcgcg cggcgcttcg ggagccagcg ggtgctggtg gagccggacg cgggcgcagg 180
ggtcgtgtg atgaaattca agaaccccc agtgaacagc ctgagcctgg agtttctgac 240
ggagctggtc atcagcctga gaagctggag aatgacaaga gcttcgcggg tgtnattctg 300
acctcggaac gccgggtgtn ntctcggncc gctggacctg acgganatgt gtgggaagaa 360
ccccg                                     365
```

<210> 2443

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c



1774

&lt;400&gt; 2443

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ggacacccca gcaaaagtac cagcgcctac tgcattgaggt ccaagagctg acaactgaag 60
ttgaaaaaat caagacgaca gtgaaggagt cagccacaga ggagaagctg acccctgtgt 120
tgctgggctaa acagctggca gccctgaagc agcagctggg tgcttccac ctggagaagc 180
tgctgggacc agatgctgca atcaacctta ccgacccga tggcgccctg gctaagcgcc 240
tactactgca gctggaagca acaaagaaca gcaaaggggg atcaggggga aaaaccactg 300
ggaccccccc agatagcagc cttgtcactt atgaactaca ttctcggcct gagcaggaca 360
aagttctctc aaagctgnca aaagtccaga acttgaaaag cgcctgacag aactggagac 420
agctgtcgtt gtgatcagga tgctcagaat ccctttctgc aggtctacag ggagcctgtc 480
tcatggagac tgtaaactgt tgcaagcaaa ngtgaacgcc ttaaacttgc agttttggat 540
caantggang gttnggttcn 560
```

&lt;210&gt; 2444

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2444

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ggatcccccg ggctgcagga attcggcacg agggaaaact agcttaaata tctcactcaa 120
cctgattttt gaattgcctt ctctttttat ggtggagggc aagcaattca gatctctgga 180
ttatgaattt tgtgaaaccc atgatagtac tattacttga agcctgtgtt gaagatatga 240
gttaatcttt aatgtgcttt gtgatatgta tttattttagt ctcaaactac caccaagtat 300
cattgtaggc ttgtttgcac tggattttta gcttactctc attatacaga gttattggat 360
gtattttgat ttgaagctat attttagtatt atagcaagtg tactgcttat attgtagcat 420
tgtgtataaaa aatctgattt agatttttgg aatgctagta tctggaaaat acccttaaag 480
tatcttccag acagctgggc caagtatttc agtaattatg cttgttaact tttattattt 540
atatctcttg tgtcttag 558
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&lt;210&gt; 2445

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

## 1775

<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

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tgacagtgct gcggcaggcc attgccgagc gcatcaagcc tgtgctgatg atgaacaaga 120  
cgtgaacgtc atcatctcca cctacggcga gggcgagagc ggccccatgg gcaacatcat 180  
gategatcct gtccctcggtta ccgtgggctt tgggtctggc ctccacgggt gggccttcac 240  
cctgaagcag ttgcccgaga tgtatgtggn caagttcgnc gncaaggggg agggccantt 300  
ggggcctgnc gagcgggcca agaaagta 328

<210> 2446  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

1776

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
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<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
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<222> (185)  
<223> n equals a,t,g, or c

<220>

1777

<221> misc feature  
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<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

<400> 2446  
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agagcttggt gctcatttag aagtgcacca tcacgggtct gacctnttgg gacccanct 120  
gtgaggcana ggacaggggt gacaagtttg tattgcgcag tgnntactcc agctgtggca 180  
tgcangtgtc ancaagtatg atcagcaatg agngngnggt caatatactg 230

<210> 2447  
<211> 547  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (463)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (532)  
<223> n equals a,t,g, or c

<400> 2447  
gcgnacgcgt gggcgctcc tccgctgtct ccctggagtt cttgcaagtc ggccaggatg 60  
tctcaggctg agtttgagaa agctgcagag gaggttaggc accttaagac caagccatcg 120  
gatgaggaga tgctgttcat ctatggccac tacaacaag caactgtggg cgacataaat 180  
acagaacggc ccgggatgtt ggacttcacg ggcaaggcca agtgggatgc ctggaatgag 240  
ctgaaagga cttccaagga agatgccatg aaagcttaca tcaacaaagt agaagagcta 300

1778

```
aagaaaaaat acgggatatg agagactgga tttgggttact gtgccatgtg tttatcctaa 360
actgagacaa tgccttggtt ttttctaata cccgtggatg gtgggaattc gggaaaataa 420
ccaggtaaac cagctactca aggctgctca ccatacggnt ctnacagatt aggggctaaa 480
acgattactg acttttcttg agtaggtttt atctgaaatc aattaaaagt gnatttggtg 540
ctttaaa 547
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&lt;210&gt; 2448

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (191)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (196)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (213)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (245)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (308)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

1779

<220>  
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<222> (341)  
<223> n equals a,t,g, or c

<400> 2448  
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ttcaggaaat gctaaaattg ggcacctgc cccaacttc aaagccacag ctgttatgcc 120  
agatggtcag tttaaagata tcagcctgtc tgactacaaa ggaaaatatg ttgtgttctt 180  
cttttacccct nttganttca cctttgtgtg ccncacggag atcattgctt tcagtgatag 240  
ggcanaagaa tttaagaaac tcaactgcca agtgattggt gcttctgtgg attctcactt 300  
ctgtcatnta ncatgggtca atacacctaa naaacaanga ngactgggac ccatgaacat 360  
t 361

<210> 2449  
<211> 764  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
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<222> (62)  
<223> n equals a,t,g, or c

<220>  
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<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1780

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (629)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (745)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (753)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2449

```
tntagtttng cgctgcccgt accggtccgg aattcccggg tcgacccacg cgtccgtaca 60
antntggtng taaactgctt tgtgaataat aatcgtaaat gccagtgtac ttcagttggt 120
gcacaaaata ctgtcatttg ctcaaagctg gctgccaaat gtttggtgat gaaggcagaa 180
atgaatggct caaaacttgg gagaagagca aaacctgaag gggccctcca gaacaatgat 240
gggctttatg atcctgactg cgatgagagc gggctcttta aggccaagca gtgcaacggn 300
acctccatgt gctggttgtt gaacactgct ggggtcagaa gaacagacaa ggacactgaa 360
ataacctgct ctgagcgagt gagaacctac tggatcatca ttgaactaaa acacaaagca 420
agagaaaaac cttatgatag taaaagtgtt cggactgcac ttcagaagga gatcacaacg 480
cgttatcaac tggatccaaa atttatcacg agtattttgt atgagaataa tggtatcact 540
attgatctgg ttcaaaaattc ttctnaaaaa aactcagaat gatgtggaca tagctgatgt 600
ggcttattat tttgaaaaag atgttaaang tgaatccttg gttcattcta agaaaatgga 660
cctgacagta aatggggaac aactggatct ggatcctggc aaactttaat ttattatggt 720
gatgaaaaag caccttgatt ctcantgcag ggnctaaaaa gctg 764
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&lt;210&gt; 2450

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (349)

1781

<223> n equals a,t,g, or c

<220> ,

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<400> 2450

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tccggaattc cgggttacct gatctacctg aaattttaagg caacctacga tggaaatcat 120
gataccttcc gagtggagtt tctggtgggc cctgtgggag gcctctcatt tttagttaat 180
cacgatttct ctctcttga gatcctctgg accttctcca tctacctgga gtccgtggct 240
atccttccgc agctatttat gatcagcaag actggggagg ccgagaccat caccaccac 300
tacctgttct tcctgggcct ctatcgtgct ttgtatcttg tcaactggnt ctggcgcttc 360
tactttgagg gcttctttga cctcattgct gtgggtggccg gcgtagtcca gaccatccta 420
tactgtgact tcttctactt gtacatacaa aagtactcaa gggaaagaag ctcagtttgn 480
cagcata 487
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<210> 2451

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)



1782

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

1783

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<400> 2451  
ccccctcctg tggagcaggt cacactgcag gagggggccg tggncganac cccaanagct 60  
ggccccctcc tgtggagcan gtcacactgc angacttgag tcagctcatc atccgaaact 120  
gncctcntt tgacattcac ancatccaag tgtgtctgca ccttgnagtc ttacttggt 180  
ttccatctga tgggtcccctg gtgtgtgccc tгнаacanga acnaangctc cgcctccctc 240  
cgaaagccan ctcccccttt gcaacccctt ctccnaaaag caatggcana agaactnaat 300  
ccccacgtga tgggtgctccc tggcccataa ctggccccggg accggttnng ggaaccccan 360  
ntttcttnga aaacccttgc ccacttcctg gttggtttca ggaaacc 407

<210> 2452  
<211> 474  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<220>

1784

<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<400> 2452  
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ttcgcggttag ctgggaccgc cgttcagtcg ccaatatgca gctctttgtc cgcgcccagg 120  
agctacacac cttcgaggtg accggccagg aaacggtcgc ccagatcaag gctcatgtag 180  
cctcactgga gggcattgcc ccggaagatc aagtcgtgct cctggcaggc gcgcccctgg 240  
aggatgaggc cactctgggc cagtgcgggg tggaggccct gactaccctg gaagtagcag 300  
gccgcattgct tggaggtaaa gtccatggtt ccctggccccg tgctggaaaa gtgagagggtc 360  
agactcctaa ggtggccaaa caggagaaga agaagaagaa gacaggtcgg gctaagcggc 420  
ggatgcagna caaccgngc tttgtcnacg ntgngccacc tttggcaaga agaa 474

<210> 2453  
<211> 630  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1785

<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (418)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (529)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (584)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (602)

1786

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (627)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2453

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ggttgangac cagattacag ctgtcagaaa attcatanaa atggggtttca ttgatgaaaa 60
aagaatagcc atatggggct ggtcctatgg aggatacggt tcatcactgg cccttgcatc 120
tggaactggt cttttcaaatt gtggtatagc agtggctcca gtctccagct gggaatatta 180
cgcgtctgtc tacacagaga gattcatggg tntcccanca aaggatgata atcttgagca 240
ctataagaat tcaactgtga tggcaagagc agaatatattc agaaatgtan actatcttct 300
catccacgga acagcagatg ataatgtgca ctttcaaaac tcagcacaga ttgctaaagc 360
tctggttaat gcacaagtgg atttncaggc aatgtggtac tctgaccaga accacggntt 420
atccggcctg tccacnaacc acttatacac ccacatgacc cacttcctaa agcagtgttt 480
ctctttgtca gactaaaaaac natgcatatg caatcctgna tcagaaatnt gaaaacctta 540
tataaancct tcagacaagt ttgcttaatt taatttttat gttngaaaaa tgctagttaa 600
ancaaccaat taatggtggt naaaggntgt 630
```

&lt;210&gt; 2454

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1787

<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
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<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1788

<222> (129)  
<223> n equals a,t,g, or c

<220>  
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<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
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<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<400> 2454  
ggcanaggnc gtngncaatg cnncaatacc ctgcagacca atgccggnta cctggagcag 60  
gtgaagcgcn agnngngttg accctnagac acagttggaa agccatggaa ctnttacctg 120  
gcacgnagnng gnntgccggt gggaggattht ggaccgttga acatnatcca cgttaaatggg 180  
gacgaanggg gaaaggggtc cacctttgcc ttttnaaggaa tttttttccc caaaaanttg 240  
ggcttaanga c 251

<210> 2455  
<211> 489  
<212> DNA  
<213> Homo sapiens

<220>

1789

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<220>  
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1790

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<220>  
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1791

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (405)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (459)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (467)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2455

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gtaaatatcc tcaataggga ataagatatg ctncceatnc cttcgggtaa aaagttttgt 60
ncaacactcc angctcantc aactcactgg tgtatgggaa ttgtcttgat gtaaggncat 120
acttcctgcc ttcnttntgg ctgcgcacaa aaccatagat tgctcttctg tnagggtttg 180
aattactgat cgcacttnat cgtnttgcac cttaatgcgt nttcttatct naaatcgctt 240
atatctggng ctggcaatng ctgattatcn atgcacatga attgnctagn gaaaaatgct 300
agaacanana acaaaaactt gcncaccat gaaggaatac cgattcccn ccatggtaca 360
tattccaggc ccgttatctc gggctttaa agcaaaaatt tccanccaa ataacaacag 420
ttcttggttc tccccggaag ttccaggact gaaccncnc cgaaaanaac anttgaacc 480
tttctttgg                                     489

```

&lt;210&gt; 2456

&lt;211&gt; 375

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (224)

1792

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (264)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (333)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (348)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2456

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gatttcaata cgtctcgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc 120
acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcctg 180
gtggtccttg ggcttcctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anacctgaa cagtctcaat tatnttccgt cctgggggtgg gnataccaac ccccttccc 300
cctttttcca aaaattttaa ggttaaang gcnaaaaaaaa acatcctntt tttccccta 360
ccttaaanga aaac                                     375

```

&lt;210&gt; 2457

&lt;211&gt; 287

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1793

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<220>  
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<400> 2457

## 1794

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ctctgcctcc tctccgacca cgtggacaag aggatcctgg atgctgcang ggccaatctc 120  
aaagtcatca gcaccatgtn tnggggcatn gaccacttgg ctttgatga aatcaagaag 180  
cgtgggatcc gagttggcta caccacagat gtcctgacag atacnaccgt cgaactcgca 240  
gtctnctgc tacttaccac ctgncgtcgg ttgncngagg ccatcga 287

<210> 2458

<211> 105

<212> DNA

<213> Homo sapiens

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<220>

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<220>

<221> misc feature

<222> (78)

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<400> 2458

ctcaagtgag ccgcatgctt ggcagatctg gccgacagga antacaagca ggctnccaag 60  
tgcctactgn tgncttcntt tgatcaactgt gacttccctg agctg 105

<210> 2459

<211> 500

<212> DNA

<213> Homo sapiens

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<220>

1795

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1796

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1797

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<222> (472)

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1798

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tgcnagtggc actgctgctc ctgctcctgg tagncgctgg ccggcgcgca caggtagtgt 120  
ccgtggccac tgaaactncc ctgccagtgc ttgcagaccc tgcagggaat tcacccaag 180  
aacatccaaa gtgtgaacnt aaagtccccc ggaccccaact gcgcccacaaac cgaagtcata 240

## 1799

gccacactna agaatgggag gaaagnttgn cttcaatcct gcatgccccca ttntttaagn 300  
anattatcgg naaaggntgt nnaacagtgg caaattcaat tggancagaa gggagggagg 360  
aaggttnaat ggtgggtgtt ngcttgnagg gagngccttn gcctttttta gggtagcaaa 420  
gngggaaagg nnggtnaaag ttnggagggg ncacntggnt tttggctaen nngnttnnag 480  
gnancgttnn ngggaatntt 500

<210> 2460

<211> 104

<212> DNA

<213> Homo sapiens

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<220>

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<222> (18)

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<220>

<221> misc feature

<222> (51)

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<220>

<221> misc feature

<222> (80)

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<220>

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<222> (98)

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<400> 2460

gtcccccggn ccccaactnccg cccaaaccgg agtcatagcc acactcaaga ntgggcggaa 60  
agcttgccctc aatcctgcan ccccatagtg tatgaaantc atcg 104

<210> 2461

<211> 393

<212> DNA

<213> Homo sapiens

<220>

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<220>

## 1800

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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 <222> (364)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (387)  
 <223> n equals a,t,g, or c

<400> 2461  
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 catgttggtta agtgttctat ccatccccac cacaccccaa cttcttcatg naagcaggtn 120  
 tccatcctta taacttgaga ggctgtgaat cattccatag atgtnggtct tctgctaccg 180  
 ntcttcacat tgccctctaca taccaggtct tcagctgcat tctaggaaac atcatatact 240  
 attggattgc aaatctataa ataataaag acaatggact gacaggggaa aaaagttttt 300  
 ttttaagttt acaaactnca atcccacttg ttggcatttc naagggggcn atactttttc 360  
 cttnattcca ccgtttaaag aagtttngga att 393

<210> 2462  
 <211> 362  
 <212> DNA

## 1801

<213> Homo sapiens

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (307)

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<220>

<221> misc feature

<222> (316)

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<220>

<221> misc feature

<222> (335)

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<220>

<221> misc feature

<222> (351)

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<400> 2462

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aaggggcaaag ctgcgctgag ccctcgaagt gtggggcgta tctccccgta ccggaaacag 120
gtggagaaaa tccgttactg catcaccaaa cttgacaggg agcttcgagg actggatgac 180
atcaaggact tgaagggtggt tcagtagaag aattcaaggc aagangaagc gtatctattt 240
cacggcgaaac ancagacttt gnactgatct gactttattg gttcttaacc caagaggtaa 300
tgantgnacc ggcaangctg tatatcgggg aacnntttct ggcataacct ntgaagatct 360
ga
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1802

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<211> 535  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (288)  
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<220>  
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<222> (321)  
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<220>  
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<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (444)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2463

## 1803

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ggacccacgc gtgaccggg ccaagtactt cattcgagat gagtttctga ggatcagcac 120
tgccagtgga gatgggctc actactgcta ccctcatttc acctgctg tggacactga 180
gaacatccgc cgtgtgttca acgactgccg tgacatcatt cagcgcatgc accttcgtca 240
gtacgagctg ctctnagaag ggaaccccc aatttaatta aagccttnag cacaattaat 300
taaaagtga acgtaattgt ncaancagtt aatcacccac catagggcat gattaacaaa 360
gcaacctttc cttccccga atgattttgc gaaacccct tttcccttca gcttgcttag 420
atttccaaat ttaaaaagct taangggggc tacaganaaa ngaaaaaagg gcacaaaaat 480
tccctctcac ttctattaaa ataataaaac agcagccgcc aaccanntaa atgaa 535
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<210> 2464

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

## 1804

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<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
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<222> (203)  
<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature  
<222> (234)  
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<220>  
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<220>  
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<220>  
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<222> (322)  
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<220>  
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<222> (324)  
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<220>  
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<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1805

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (372)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2464

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ggtaaccccn ggggtttccc gggaaaattt cccccggggg ttccggaacc cccaacggcc 60
ggttccccggg cncccaacgg cgggtttttn tnttcntgga aggggggaaag ggngtcncga 120
agcccaggcc cgcttggttt ttggggcggg aanggaantc cccttaaggc ccgtaagtaa 180
aggcattaaa taaatgggtct ttnatctttt gaagtgggat ctacaatggg ntttagcaag 240
tggtggctcn agttcctagg acttgtacaa gaaatntgga aaacttgaat tcttaggttt 300
ggataatgca gggcaaaacc antntnttta acatgctcaa aggatgacag attggccaac 360
ntgttccaac antacatccg a 381
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&lt;210&gt; 2465

&lt;211&gt; 109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2465

```
gctcagcagg gagcccatg cccttccagg tgtggagagc ancctgcgtg tcaactggctg 60
ccgccagatc ttacgggagcc tcccanagca caactacngt antncttcg 109
```



1806

&lt;210&gt; 2466

&lt;211&gt; 393

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (234)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (246)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (326)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1807

<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<400> 2466  
ccacgcgtcc ggacaagnct gtgaaggatc tggtcattctt gctctatgaa actgcgctcc 60  
tgtcttcttg cttcagtcctg gaagatnccc agacacatgc taacaggatc tacaggatga 120  
tcaaacttgg tctgggtatt gatgaagatg accctactgc tgatgatacc agtgctgctg 180  
taactgaaga aatgccaccc cttgaaggag atgacnacac atcacgcatg gaanaagtng 240  
actaanctct ggctgagggg tgacttacct gtccagtact ctacaattct ctgatagtat 300  
atttcnagga tgcttttctc tatttngtgt aatattaaat agtctgatgg catgacaact 360  
actttaaagg gaaagattng attctgnnta cta 393

<210> 2467  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (250)

1808

<223> n equals a,t,g, or c

<400> 2467

```
ccgtgagggg aagcgtctcc gttgggtccg gccgctctgc gggactctga ggaaaagctc 60
gcaccaggtg gacgcggatc tgtcaacatg ggtaaaggag accccaacaa gccgcggggc 120
aaaatgtcct cgtacgcctt cttcgtgcag acctgccggg aaagagcaca agaaagaaac 180
accgggactc ttccgtcaat ttccnggaa ttctccanaa antttttcgg aaaaatggaa 240
aaacnttttn tgccaa 256
```

<210> 2468

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1809

&lt;222&gt; (458)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2468

```
gggagccggc gccgggagtg agccataact ggtggctgct cttgcgcaa tgagcctccc 60
caattcctcc tgccctcttag aagacaagat gtgtgagggc aacaagacca ctatggccag 120
ccccagctg atgccccctgg tgggtggtcct gagcactatc tgcttggtca cagtagggct 180
caacctgctg gtgctgtatg ccgtacggag tgagcgggaag ctccacactg tggggaacct 240
gtacatcgtc agcnttttcgg tggcgggactt gatcgtgggt gccgtcgtca tgcctatgaa 300
catcctctac ctgctcatgt ccaagtggtn antggggcgt cctttntgcc tcttttgnt 360
ttccatggac tatgtggcca gcacagcgtc cattttcagn gtcttcatcc tgtgcattga 420
tcgctaccgc tctgtccaca accntcagg taccttangt nttgtaccaa aaccngag 478
```

&lt;210&gt; 2469

&lt;211&gt; 574

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (550)

1810

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (557)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (567)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2469

```
gcccacgcgt ccggnnagtc agatagtgag gaacgattcc agttggtaga tctgcgtttg 60
tgagggtttt attctgttct ctgaatcttg gccaaaggaa agttggaagg caactgacag 120
attctgcctt ttaggtactt gaactggcag gaaatgcac aaaagactta aaggtaaagc 180
gtattacccc tgcgcacttg caacttgcta ttcgtggaga tgaataattg gattctctca 240
tcaaggctac aattgctggt ggtggtatgt taacttctaa cattttaaaa aatttcttca 300
taggaaggaa ttttttgctg cttttaatta gtttttccag gagaggaaat ttaagtatat 360
tttcaatgat ggaagtatgg ttgtatcatg aaatttgatt tatatgtata actcaatgaa 420
tttttacttc atacttgagc tgcattgttt aaagatacct ttcaagttga acagtataca 480
cttcttggtt tcaaatactg ggatttttta aaaaatttaa gtggaatnaa ttctgcact 540
cttctaagnn ggtattncac acattcncaa aatt 574
```

&lt;210&gt; 2470

&lt;211&gt; 386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (352)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (363)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (369)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1811

&lt;222&gt; (384)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2470

```
gcttgtcggg aggagcataa gaagaagcac ccagatgctt cagtcaactt ctcagagttt 60
tctaagaagt gctcagagag gtggaagacc atgtctgcta aagagaaagg aaaatttgaa 120
gatatggcaa aagcggacaa ggcccgttat gaaagagaaa tgaaaaccta tatccctccc 180
aaaggggaga caaaaaagaa gttcaaggat cccaatgcac ccaagaggcc tccttcggcc 240
ttcttcctct tctgctctga gtatcgccca aaaatcaaag gagaacatcc tggcctgtcc 300
attggtgatg ttgcgaagaa actgggagag atgtggaata acactgctgc anatgacaag 360
cancttatna aaaagaangc tgcnaa 386
```

&lt;210&gt; 2471

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (191)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (205)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (206)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

1812

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (403)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (424)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

## 1813

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (476)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (516)  
<223> n equals a,t,g, or c

<400> 2471  
ggcacgaggn aggaactgat tcgtcctgag agaaacacat tggttgtgag ttttgtggac 60  
ctggaacaat ttaaccagca actttccacc accattcaag aggagttcta tagagtttac 120  
ccttacctgt gtcgggcctt gaaaacattc gtcaaagact ctggaagaag aacttataaa 180  
taaaaaaaga ntcatagaga aagtnnttca tcgactcaca cactatgatc atgttctaata 240  
tgagctcacc caggctggga ttgaaaggct ccacagaggg aagtgaagagc tatgaagaag 300  
atccctactt ggtagttaaa ccctaactac ttggctggag gattgnagat aagtggaaan 360  
taatggacca gagctganga acngtgggca cncacntcnt ggncngggag cngggngggga 420  
gctngggnag ggacaaagtg tttccgggan tgnnggcttc caggatttgt tttccngaac 480  
caagaattga gttgaaggtc ccaagtgtca catnctcacc aggtttcata ccaacacagg 540  
cttcagcaat 550

<210> 2472  
<211> 440  
<212> DNA  
<213> Homo sapiens



## 1814

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

1815

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (440)  
<223> n equals a,t,g, or c

<400> 2472  
ggtttctccaa cagcttcagg ttcattcagta agtcctgggtt tatacagtaa aaccatgacc 60  
cctatatatg accccatcaa tggaaacacca gcatcatcca ccatgacttg gttcagtgac 120  
agccctttga cggaaacanaa ctgcagcatc ctgcattca gccaaacccc ccagtcccca 180  
naagcacttg cggatatgta ccancctcgg nctntggntg ataaagccaa gctcaatgca 240  
ggttggttag actnctgacg ctcgnttatg gaacanggca tncaacagga tgagcagctg 300

## 1816

ctnttacgat ttaaantntta ttgtttcttn gacttgaatn ctaaatatga tgctgtccna 360  
ataaaccaac tctatgagnn agccaggtgg gccattctct tacaagaaat tgattgcaca 420  
cgaggggnga aatgttagan 440

<210> 2473

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 2473

aaggngancg ncnancctca ctaaaggga caaaagctgg agctccaccg cgggtggcggc 60  
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagccg ctacaaccaa 120  
gagacaccaa tggagatctg cctcaatgga acccctgctc tggcctacct ggcgagtgcg 180  
ccccacccc tgtgtccaag tggccgcact ccagacctga aggcctctact caacgtggtg 240  
gacaatgccc ggagtttcat ctacgtcgct gtcatgaact acctgcccac tctggagttc 300  
tcccacctac gagcgtggcg tcaaggtgcg cctgctcacc agctgctggg gacactcgga 360  
ggccatccat gcgggccttc ctgctct 387

<210> 2474

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (195)

1817

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (280)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2474

```

aattcggcac gagcacagct catgtttttcc agcctgtgtg ggagcttggt ctgaagagag 60
attaagtgat agcctactta tggatcctgg agaattcttc agaaatccat gtgtaactca 120
ggtgcctatt tggttatgac aaaagatatg gctaattttt attttgaaaa gtttgaataa 180
acttagtttt ctctntttcc acttgcaaag agttttgatg atggagacta ttttcctgtg 240
tggggcacat gccttgatt tgaagagctt ttgatgctgn ttagtggaga gtgcttatta 300
actgccacag gtnactgttt gacgtggcaa tgccgttg 338

```

&lt;210&gt; 2475

&lt;211&gt; 496

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2475

```

gggagcaggt ggcggttttg gctcccccat ggacatcttt gatatgtttt ttggaggagg 60
aggaaggatg cagagagaaa ggagaggtaa aaatgttgta catcagctct cagtaaccct 120
agaagactta tataatggtg caacaagaaa actggctctg caaaagaatg tgatttgtga 180
caaatgtgaa ggtagaggag gtaagaaagg agcagtagag tgctgtccca attgccgagg 240
tactggaatg caaataagaa ttcatcagat aggacctgga atggttcagc aaattcagtc 300
tgtgtgcatg gagtgccagg gccatgggga gcggatcagt cctaaagata gatgtaaaag 360
ctgcaacgga aggaagatag ttcgagagaa gaaaatttta gaagttcata ttgacaaagg 420
catgaaagat ggccagaaga taacattcca tgggtgaagga gaccaagaac caggactgga 480
gccaggcgat attatc 496

```

&lt;210&gt; 2476

&lt;211&gt; 189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

1818

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<400> 2476  
catctgaaaa agaatganc ccaacantcc ctctatcaca tatgaacatc antcagtngt 60  
ttgaatttca tcgnatgatc tgggcagacc tcagctgcct gggtttaccga gctgataccc 120  
agncatacca gcctttatna acaaagnctg ggttnaaaga gaagttctac gtgctccttc 180  
gtgggcang 189

<210> 2477  
<211> 531  
<212> DNA  
<213> Homo sapiens

1819

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (22)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (154)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (300)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (448)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (478)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (525)  
 <223> n equals a,t,g, or c

<400> 2477  
 tgaatncccg ggtcgaccca cncgtccgcc caacacaggg atgctcataa ggaaagggtta 60  
 aaaaaagtaa aaggaactcg gcaaacttta ccccgctgt ttaccaaaaa catcacctct 120  
 agcatcacca gtattagagg caccgcctgc ccantgacac atgtttaacg gccgcggtac 180  
 cctaaccgtg caaaggtagc ataactactt gttccttaag tagggacctg tatgaatggc 240  
 tccacgaggg ttcagctgtc tcttactttt aaccagtga attgacctgc ccgtgaagan 300  
 gcgggcatga cacagcaaga cgagaagacc tatggagctt taatttatta atgcaaacag 360  
 tacctaacaa acccacaggt cctaaactac caaacctgca ttaaaaaattt cggttggggc 420  
 gaactcggaa caaaaaccaa cctccganca atacatgcta agacttcacc agtccaancg 480  
 aactactata ctccattgat ccaataactt gaacaacgga acaanttacc c 531

<210> 2478  
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 <212> DNA  
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1820

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<223> n equals a,t,g, or c

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<222> (408)  
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<400> 2478  
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caaaagaaga aagatgaggc agaggtccaa gtaaaccgct agcttggtgc accgtggagg 120  
ccacaggagc agaaacatgg aatgccagac gctggggatg ctggtacaag ttgtgggact 180  
gcatgctact gtctagagct tgtctcaatg gatctagaac ttcategccc tctgategcc 240  
gatcacctct gagacccacc ttgctcataa acaaaatgcc catgttggtc ctctgccctg 300  
gacctgtgac attctggact atttctgtgt ttatttgtgg ccgagtgtaa caaccatata 360  
ataaatcacc tcttccgctg ttttagctga agaattaaaa nctanntna 409

<210> 2479  
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<212> DNA  
<213> Homo sapiens

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<220>  
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1821

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<220>  
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<222> (389)  
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<220>  
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<222> (423)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (439)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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taataacatc aatttttctgc tgcgtgctgg cgaatttaag ttaattaccg gtccttctgg 120  
ttgtggcaaa agtacgctgc taaaaatagt tgcttcattg atcagcccaa ccagcggaaac 180  
gttnactgtt tgaagggtgag gatgtcagca cactaaagcc agaaatctac cgccaacaag 240  
tctcttactg cgcccagaca ccgacgctgt ttggcgatac ggtatacggg aaatctggat 300  
ctttccctgg cagatccgta accggcagcc tgaccagcc atttttctcg nttttttcgn 360  
acggtttggc tttgccggac agcatttnna cggggatttc gccgggtttt tgggtggggaa 420



## 1822

aanaaggatt tcatggntng taacccgcaa tttngccgn ggttttattg ttgggtggaa 480  
taaccatggg tgggtgg 497

<210> 2480

<211> 171

<212> DNA

<213> Homo sapiens

<220>

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<222> (44)

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<222> (122)

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<222> (157)

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<220>

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<222> (171)

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<400> 2480

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tggacacacg ngaaggagca gctggaaact ctccggaagc tgcanaggag ggaggtggct 120

## 1823

gngcagtggc tgcggcctgc agaggangac cacctgnagg attccctgga n

171

<210> 2481

<211> 448

<212> DNA

<213> Homo sapiens

<220>

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<222> (294)

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<220>

<221> misc feature

<222> (344)

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<220>

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<222> (405)

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<222> (419)

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<221> misc feature

<222> (426)

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<222> (431)

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<220>

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gcagtgtctt attgagttgt catgagcctc gggcgggagc agcagcactg cctctccacg 180  
ctccgggaaa ccgcagctgg cgtgtgccac atcgggtcca cctcgttta caaaacagtc 240  
ctgaagctta atcaaataaa attattgtac acaacattta cattagaaaa aganagctgg 300  
gtgtaggaaa gccgggcctg gtgttccctt taagcgaagg tggntccaca gttggggcat 360  
cgtcgttcc tcaaggcaaa acagcaaatg aacccaaagg ggaanaggat gatggccang 420  
aagatnccca ngaaggtgaa gcantcct 448

1824

&lt;210&gt; 2482

&lt;211&gt; 370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (201)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (205)

&lt;223&gt; n equals a,t,g, or c

1825

<220>  
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<220>  
<221> misc feature  
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<222> (347)  
<223> n equals a,t,g, or c

<220>

1826

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<222> (351)  
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<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<400> 2482  
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taaaccagac caantggaaa atgtaatcct gatctcanat taanaagtcc cataaggaag 120  
ctatgggtctc tcctgaaatt caaatTTgaa tggaaatctc ctaatgcac tgatnaacat 180  
actgtttgtc tgtnggatat nggcncngna acaanagaat gcnaaattgt ngatnctaaa 240  
ccatctttan tggccactca actgttntta aaagatgtga ctggcacctg ctgcacaatt 300  
cattgtatgg atctgttgct gatgatcaaa acttatnata tggaacncaa nntccaatac 360  
aactccaanc 370

<210> 2483  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (318)  
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<220>  
<221> misc feature  
<222> (325)  
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<223> n equals a,t,g, or c

<220>  
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<222> (352)  
<223> n equals a,t,g, or c

<220>  
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<222> (380)

1827

<223> n equals a,t,g, or c

<400> 2483

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cagaagatcg gcctccagaa ctctgttcta ttcattggagg acacactgct aagatttcag 120
attttagctg gaacccaat gagccttggg tcatttgctc agtgtctgag gataacatca 180
tgcagatatg gcaaatggct gaaaatattt acaatgatga agagtcagat gtcacgacat 240
ccgaactgga gggacaagga tcttaaacc aaagtacgag aaatgtttct gttgaatgta 300
atgctacatg aatgcttnat ttatntttcg ccaaaaaggc attgtatant angaaatgta 360
agtggggtgg cttatggctn ctt                                     383
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<210> 2484

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

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<220>

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<222> (7)

<223> n equals a,t,g, or c

<220>

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<222> (43)

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<222> (56)

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<220>

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<222> (140)

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<220>

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<222> (147)

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1828

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<220>  
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<222> (213)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>

1829

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<220>  
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<220>  
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<220>  
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 acgcctgcag gtaccgggtcc ggaattcccg ggctcgaccca cgcgtccgcc cagctgggat 120  
 ctnagggtctt ccttttctgn cctcctncag gatgggggtca accgccatcc tcgccctcct 180  
 cctggctgnt ctccaaggag tctgtgccga agngcanctg gngcagtcgc gagtagagggt 240  
 gaaaaagccc ggngagtctc tgaggatctc tgtaagggtt ctggatacag ctttaccagc 300  
 tactggatca agtgggtgcy ccagatgccn gngaaaggcc tggagtgnat ggcgaggatt 360  
 gatcctagn gactcttatac caactacagc ccgtccttcc aaggccacgt caccatctna 420  
 gctgacaagn ccatcagcac tgctacctgc agtggagcag ctgaaggcct cggacaccgg 480  
 catgnattac tnggccagac atgaagccag aggccttggac tactttgact actggggcca 540  
 ngnaaccctg gtaccgcttc ttagcttcan caagggccat cgg 583

<210> 2485  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (48)  
 <223> n equals a,t,g, or c



## 1830

<220>  
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<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
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<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
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<222> (239)  
<223> n equals a,t,g, or c

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acagtggaag gtggataacg cctccaatc gggtaactcc caggagagtg tcacagagca 120  
ggacagcaag gacagcacct acagcctcag cagcaccctg acgctgagca aagcagacta 180  
cgagaaacac aaagtctacg cctgcnaagt caccatcag ggctganct cccccgttnc 240  
aaa 243

<210> 2486  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (329)  
<223> n equals a,t,g, or c

<220>  
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<222> (363)  
<223> n equals a,t,g, or c

1831

<220>  
<221> misc feature  
<222> (378)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

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gatccagtgg gaatatattgtg atgactcagt ctccagtctc cctatacgtc acccctggag 120  
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180  
atttggattg gtacctgcag aagccagggc agtctccaca gtcctgatac tatttgggtt 240  
ctaatacgggc ctccgggggc cctgacaggt tcagtggcag tgggtcaggc acagacttta 300  
cactgaaaat caccagagtg gangctgang atgttggggg ttattattac tggatgcaag 360  
ctntacaaat tcattcantt tnggccttg accaaa 396

<210> 2487  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (141)  
<223> n equals a,t,g, or c

<220>  
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<222> (193)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (314)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>

1832

<221> misc feature  
<222> (342)  
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<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<400> 2487  
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ggccattttt atgctgactc agccccactc tgtgtcggag tctccgggga agacggtaac 120  
catctcctgc accgcagca ntggcaagca ttgccagcaa ctatgtgcag tggttccagc 180  
agcgcccggg cangttcccc caccactgtg atctatgagg ataaccaaag accctctggg 240  
gtccctgacg ggttctctgg cttacatcga cagctcctnc aactctgcct tccttaccat 300  
tctctggact gaanactgag gacgangctg actactactg gnagtcttat taataacaag 360  
caatgttggg tatttcggcg ganggaccaa aacctnaacc ttctaag 407

<210> 2488  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (5)  
<223> n equals a,t,g, or c

<220>  
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<222> (34)  
<223> n equals a,t,g, or c

<220>  
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<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)

1833

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (131)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (141)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (159)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (217)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (218)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2488

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ggcanagcca gagggaacca tggaaacccc agcncattnc ttttcctcct gctactctgg 60
ctcccagata ccaccggaga aaatntnttg acgcatttcc caggcaccct gtnttttttt 120
ccaggggaaa nagccaccct ntcctgctgg gccagtcana gtgtttacag cagctactta 180
gcctggtacc agcagaaacc tggncaaagt cccaggnncc tcatctatgg tgcattccagc 240
aggg                                     244
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&lt;210&gt; 2489

&lt;211&gt; 370

1834

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (161)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (228)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (248)

1835

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agcagacaat atggaaagcc ctancctcct gatctatgct gcatcaantc gcatagtggg 240
gcccatangg tcagtgcagt gatctgggac agacttcact ctcacatanc agtctgcacc 300
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1836

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ccggnctctcc tggacagtna gtcaccatct cctgcactgg gaaccagcag tgaatggttg 180  
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tggattatta actggttggt tcatatttca gngggcttac aatagnttat gtttttcggg 420  
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1841

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 tgcctccgtg tctgggtctc ctggnacagt cgatcaccat ctcctgcact gggaacaagt 180  
 agtgacgttg gtggctataa attatgtctt ctggtaccat caataaccca ggcaaagccc 240  
 cccaaccctg gttttatgga tgnagttat tgggcctaag gggtttttta aatgcgcttt 300  
 ttttgggttc caagtttggn aaaaaggggn cttccttnga ncatttttgg ggttcccnc 360  
 ctgggggggg tttttntttt ttnnntnngn gctnttttgg aaaggncccc actntntttn 420  
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1842

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 cagtagatat gctgtcacct gggtagcaca ggcccctgga caaggccttg agtgggtggg 240  
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 cataacggcg gacaaatcca cgaacatagc ctatatggaa ttgaagagcc tgaaatttga 360  
 agacacggcc atgtatttct gtgcgagggg tcacaactcc tatgacagtt cggctctcaa 420  
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 tttctgtgcg agacctattg cgagtgtgaa agctcgtctg gtggcaccaa gcaaggacta 180  
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## 1843

ccccctgga

249

&lt;210&gt; 2494

&lt;211&gt; 490

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (421)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (465)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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caatgtgagg tgcggctggt ggagtctggg ggaggcttgg ttcagccagg gcggtccctg 180
agactctcct gtacaactcc tggattcacc tttgatgatt atgcatgaa ctggttccgc 240
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agtatcgtct atctgcaaat gaacagcctg aagaccgagg acacagcccg tgtattattg 420
ngctaaagaa gggatttgta ataagtacca acttgnttgg gccanggaac cctggtcacc 480
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&lt;211&gt; 489

&lt;212&gt; DNA

1844

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1846

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gaaacacaaa gttttacggc tgcgagttca ccnctcaggg ccttaggttg gcccgttaan 360  
aaggggtttt aacagggggg gntttttagg gggnggggtt nccccccctt nttctnnntt 420  
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1847

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1848

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gtgacgattt cccttttagc ttccggccaag ggacacgact ggagatgaaa cgaactgtgg 240  
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1849

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1850

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## 1851

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aattcggcag aggnaaaccc cagcgcattc ttttcctcct gtagggccag tcagagtgtt 60  
agtaccaggt tcgtagcctg gtaccaacag aaacttggcc aggctcccag ggtcctcatt 120  
tatagtacat cctccagggc ccctgggnatt cccagaacag gttcagtggc agtgggtctg 180  
gggnactgaac tttcacttct tcaacatcag cgggcctggg agcctgaaga ttttgcahta 240  
ttantactgt gcaactctta tcgtagggcc ctccgggcact tttcgggcgg aggggaccca 300  
aggtgggaga ttgagacgga actttgggct tgcaaccatn ttgttttttn anntttncgg 360  
gccattttga ttgggggcant ttggaaantt ttgggacttg cncctntttg nnnttncccn 420  
nttggaaaaa attttttttt ccnngggngg ggccaanttn naaaggggag gngngnttaa 480  
agggcnntcn aatngggggg 499

<210> 2498  
<211> 496  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1852

<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (463)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<400> 2498  
gtccactatg gcctgggctc cactacttct caccctctctc gctcactgca cagggttcttg 60  
ggccattttt atgctgactc agccccactc tgtgtcggag ccnccgggga agacggtaac 120  
catctcctgc acccgagca gtggcagcat tgccagcaac tatgtgcagt gggtccagca 180  
gcgcccgggc agttcccca cactgtgat ctatgaggat aaccaaagac cctctggggt 240  
ccctgatcgg ttctctggct ccatcgacag ctctccaac tctgcctccc tcaccatctc 300  
tggactgaag actgaggacg aggctgacta ctactgtcag tcttatgata gcagcaatgt 360  
ggtattcggc ggagggacca aactgaccgt cctaggtcaa gccaagggt tgccccctcg 420  
tcactctgtt ccgcctctc ttctgangag ctttaagcca acnaggccac actggtgtgt 480  
ctcataagng attcta 496

<210> 2499  
<211> 433  
<212> DNA  
<213> Homo sapiens

<400> 2499  
ggccccagcc gtgagattcc caggagtttc cacttggtga tcagcactga acacagacca 60  
ccaaccatgg agtttgggct tagctgggtt ttccttggtg ctattttaaa agcctccacc 120  
aaggggcccat cggtcttccc cctggcacc cctccaaga gcacctctgg gggcacagcg 180  
gccttgggct gcctggtcaa ggactacttc cccgaaccgg tgacgggtgc gtggaactta 240  
ggcgcccttg accagcggcg tgcacacctt cccggctgtc ctacagtctt caggactcta 300  
ctccctcagc agcgtggtga ccgtgccctc cagcagcttg ggcacccaga cctacatctg 360  
caacgtgaat cacaagccca gcaacaccaa ggtggacaag agagttgagc ccaaattctg 420  
tgacaaaact cac 433

<210> 2500  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1853

<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (506)



1854

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2500

```

gggaagcagc actggtggtg cctcagccat ggcctggacc gttctcctcc tcggcctcct 60
ctctcactgc acaagcctct gtgacctcct atgtgctgac tcagccaccc tcggtgtcag 120
tggccccagg acagacggcc aggattacct gtggggcaaa caacattgga attaaaaatg 180
tgcactggta ccagcagaag ccaggccagg cccctgtgct ggtcgtctat gatgataagc 240
gaccggccct cancgatcct gancgaattt tttggttcca actnttggga acacnggccca 300
ccctgaccat caacanggtc gaaccgggga tgaagccgac tattactgtc aggtgtggga 360
tactagtant gccaaaggagt gttcggcgga nggaccaaac ttaccgtcta attaacccaa 420
ggctgccccct cggtcactct gtccaccct tctnttaaga acttcaacca aaaangncac 480
acttggtgtg ncttataaat gactnttacc cggaaccc 518

```

&lt;210&gt; 2501

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (345)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (372)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2501

```

gcaggaggca agctctgtcg gaatatctcc accatggcct gggctctgct cctcctcacc 60
ctcctcactc agggcacagg atcctgggct cagtctgccc tgactcagcc tccctccgtg 120
tccgggtctc ctggacagtc agtcaccatc tctgcaactg gaaccagcag tgacgttggt 180
ggttataaacc gtgtctcctg gtaccagcag tccccaggca cagcccccaa actcatgatt 240
tatgaggtca gtaatcggcc ctcaagagtc cctgatcgct tctctgggtc caagtctggc 300
aacacgggct tccttgacat cttttgggct ccaagcttga ngacnaaagg tgaattatta 360

```

1855

ctgncctgctc gnatcaaagn aagtaagttt tttttcctat tt

402

&lt;210&gt; 2502

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (92)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (223)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (246)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (268)

&lt;223&gt; n equals a,t,g, or c

1856

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (338)  
<223> n equals a,t,g, or c

<400> 2502  
ggcaccganct tgan ttggtt tcaccagagg ccaggccagt ntccaaggcg cctactttat 60  
aagattttcta atcgggaact ctggcgtccc anacagattc ancggcagtg gggtcaggca 120  
ctgatttgca cactgaaaat cagcagggtg gaggctgagg atgttggtcat ttattaactg 180  
catgcaaagg ttcacactgg cctcgggaacg ttcggccaag ggnaccaagg tgggaaatcn 240  
aaacgnaact gtggctgcac catctgtntt catctttccc ggccatctgn ntgagccatt 300  
tgnaaatctg gaactgcctc tggtgtgtgc cctgctgnat aactttcta 349

<210> 2503  
<211> 169  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1857

<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<400> 2503  
ngaaaaaang ggggattctc cctcacttna agggaacaaa cagctggcag ctccaccgcg 60  
gtggcgccg ctctacaact actggatccc cgggctgca ggaatactgc accacntaa 120  
caacangttt gtgctattca ctgtggcata acaatggnnn aattagtcg 169

<210> 2504  
<211> 140  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)

1858

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<400> 2504

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ncgattgcnc cttttctaaa agggaaaccaa agctgncct ccaccgaggt ggcggacntt 60
ctagaactag tggatcccc gggctgcagg aattcggcac gancctccatc tcaanaaaaa 120
aaaaaaaaaa aaancccaaa                                     140
```

<210> 2505

<211> 107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

1859

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<400> 2505  
ngtttttttcg aattaacccc ctncnttgga ataaaactgg agctccaccg cngtggcggn 60  
cgctctaaaa ctaatggatc ccccgggctg caggaattcg gcacgan 107

<210> 2506  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<400> 2506

## 1860

ccctctcttaa aaggacaaaa gctggncncc accgcggtgg cggccgctct agaactagtg 60  
gatcccccg gctgcaggaa ttcggcacga ggtcngncta ngcc 104

<210> 2507

<211> 134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<400> 2507

attacgttna gctggcncaa ttaancctca ataattggga acaaggcnct ggagctccac 60  
cgcggtggcg gncgctctag aactagtga tccccgggc tgcaggaatt cggcacgagn 120

1861

ncnagtcctat gacc

134

&lt;210&gt; 2508

&lt;211&gt; 124

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2508

gccaaattaa cctcaatant tgggaacaan anctggagct ccaccgcggt ggcggncgct 60  
ctagaactag tggatcccc gggctgcagg aattcggcac gaggccatgt tancgangac 120  
atth

124

&lt;210&gt; 2509

&lt;211&gt; 562

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1862

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<400> 2509  
ncctcactaa gggnacaaaag ctggngctcc accgcggtgg cggccgctct agaactagtg 60  
gatcccccg gctgcaggaa ttcggcacga gaccccatat agaaaccacc taccctcggg 120  
gaggcttaat tacctggtaa tgcgcagct gcactgctac ctgtgtatct tctgttttaa 180  
tactggtagc tctcaccaca taagcttaat tactgggggc agagtgcacat gctcgtgcac 240  
agtcaagatt ccactaaaat ggtttgattt cgttgtaaata agtctcgtat tgcctaatagc 300  
attaaaactc ttgaaatgat tgtattgcta ggccctttct tcaaaacggg ctttcttcgc 360  
attatcttagt ttacaggtgg actttttttt ttttaaagga agccaaatta ttgaatgtgt 420  
aagagtacta taaaaagctg attgctcatc ttgagtgtca agaccagtt ccgggtactt 480  
tattcttttag atttggtagt gtagcattat cgaccctctg ccctatgttg ctgtactgtt 540  
tccttttaaaa ggaaatggct ga 562

<210> 2510  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<400> 2510  
nctcataagg gancaaagct ggtgctccac cgcggtggcg gccgctctag aactagtgga 60  
tcccccgggc tgcaggaatt cggcagcagc ccctcctttg ctccctaggat tttacatgtt 120

## 1863

```
gcctgcaaag ggagtcaaac ttaggggggca ggcaaacaaa cgagttcttt ccagcctctg 180
taaccggatc gctagagcga aataaactcg cacaagtgtc cagagatcgt agccagacag 240
ccagcctgcg cttgaagcaa cttttaagtg aggctgcaag agccgccggg atgtagattt 300
tagttcgtgg ccaagcacia ctacgacacc ctgtccctgc cccacccca tccccaagaa 360
tgcattggagg aaggagagag gacgaggtga gggccgcctg catttctgca cgtcggngcc 420
ggttagaaac cctgcagttt 440
```

<210> 2511

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 2511

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aacccgcacc aanggcaaca aancncgggc cccaccgcgg tgacgcccgc tcgagaacta 60
gtggatcccc cgggctgcag gaattcggca cgaggttaat tagaataaag tcattttctn 120
ccaaaaaaaa aaaaaaaaaa aaaagnaaa 149
```

<210> 2512

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

1864

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

## 1865

<400> 2512  
nnangacctt tcttngantt aacnccctc ccttggaata aaactggagc tccaccgccg 60  
tggcggcgct ctaaaactag tggatcccc gggctgcagg aattcgggac gagttcatgg 120  
agaggcnant gctnggttcn cctgtgang 149

<210> 2513  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (431)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (444)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (448)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<400> 2513

## 1866

```

gttngaggac cttcgtctcc ctgagggaga ccttggcatg gagattgagc agaagtacga 60
ctgtggagaa gagatcctga tcacgggtgct gtctgccatg acagaggagg cagctgttgc 120
aatcaaggcc atggcaaaat aactggctcc caggggtggcg gtggtggcag cagtgatcct 180
ctgaacctgc agaggccccc tccccgagcc tggcctggct ctggcccggc ctaagctgga 240
ctcctnctac acaattttatt tgacgtttta ttttggtttt cccaccccc tcaatctgtc 300
ggggagcccc tgcccttcac ctagctccct tggccaggag cgagcgaagc tngggccttg 360
gtgaagctgc cctcctcttc tcccctcaca ctacagccct ggtgggggag aaggggggtg 420
gtgctgcttg nggttagtct tttntntntt nttaattca a 461

```

<210> 2514

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<400> 2514

```

gctcgctctc ctgccccacc cggaggtaaa gggggcgact aagagaagat ggtgttgctc 60
accgcggtcc tctgtctgct ggccgcctat gcggggccgg cccagagcct gggctccttc 120
gtgcactgcg agccttgcca cgagaaagcc ctctccatgt gccccccag cccctgggc 180
tgcgagctgg tcaaggagcc gggctgcggc tgctgcatga cctgcgccct ggccgagggg 240
cagtcgtgcg gcgtctacac cgagcgctgn gccaggggc tgcgtgnct ccccggcag 300
gacgaggaga agccgctgca cgccctgctg caccgncgcg gggtttgnct caacnaaaag 360
agctaccg

```

<210> 2515

<211> 695

<212> DNA

1867

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (477)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (525)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (573)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (625)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (664)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (665)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (671)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (690)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2515

```
gtgctgagaa tattcctgag aatcccctga agtatctgta tccaaatatt gacaaagacc 60
atgccttttg aaagtattac tccaggccaa aggaagtcac ccttctagac ttcagaccac 120
agacaacctg ctccccatgt ctccctgagga gtttgacgag gtgtctcgga tagtgggctc 180
tgtagaattc gacagtatga tgaacacagt atagagcatg aatttttttc atcttctctg 240
gcgacagttt tcctttctcat ctgtgattcc ctccctgctac tctgttcctt cacatcctgt 300
gtttctaggg aaatgaaaga aaggccagca aattcgctgc aacctgttga tagcaagtga 360
atttttctct aactcagaaa catcagttac tctgaagggc atcatgcatc ttactgaagg 420
taaaattgaa aggcatcttc tgaagagtgg gtttcacaag tgaaaaacat ccagatncac 480
```

## 1868

```

ccaaagtatc aggacgagaa tgaggggtcct ttgggaaagg agaanttaag caacatctag 540
caaatgttat gcataaagtc agtgcccaac tgntatagggt tgttggataa atcaagtgggt 600
tatttaggga actgcttgac cgtangaacc ggtaaatttc tgggtggggag aattcttaca 660
tgtnttcttt ngctttaagg gaactgggcn agttt 695

```

<210> 2516

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<400> 2516

```

gcactccact ccttgtgctg cgctaggccc cccgtcccgg tcatggccat gctcagggtc 60
cagcccgagg cccaagccaa ggtggatgtg tttcgtgaag acctctgtac caagacagag 120
aacctgctcg ggagctattt cccaagaag atttctgagc tggatgcatt tttaaaggag 180
ccagctctca atgaagccaa cttgagcaat ctgaangccn attggacatc ccagtgcctg 240
atccagtcaa ggagaaagag aaagaggaac ggaagaaaca nganganaaa ggaa 294

```

<210> 2517

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

1869

<220>  
 <221> misc feature  
 <222> (364)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (382)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (404)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (429)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (437)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (451)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (457)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (484)  
 <223> n equals a,t,g, or c

<400> 2517  
 tatacggaaa gctggtacgc ctgcaggtac cgggtccggaa ttcccggggtc gacccacgcg 60  
 tccgcatccg gacaccacag cgcccttcg ctccacgcag aaaaccacac ttctcaaacc 120  
 ttactcaac acttccttcc ccaaagccag aagatgcaca aggaggaaca tgagggtggct 180  
 gtgctggggg cccccccag caccatcctt ccaaggtcca ccgtgatcaa catccacagc 240  
 gagacctccg tgcccgacca tgcgtctctg tccctgttca acaccctctt cttgaactgg 300  
 ngctgtctgg gcttcatagc attcgcctac tccgtgaagt ctagggacag gaagatgggt 360  
 ggcnagcgtg accggggccc angcctatgc ctccaccggt caantgcctg aacatctggg 420  
 ccctgattnt gggcatnctc atgactcatt nggattnatc cttgttactt ggtattttctg 480  
 ctntgtgac agtctaccat tattttat 507



1870

&lt;210&gt; 2518

&lt;211&gt; 565

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (125)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (212)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (294)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

## 1871

<220>  
 <221> misc feature  
 <222> (305)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (312)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (462)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (495)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (497)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (542)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (547)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (552)  
 <223> n equals a,t,g, or c

<400> 2518  
 gctngctatg ggcctagagt agcttaccta aatgctacta acctncctcc ataccattat 60  
 tgtaaaagatt aaagggtgatg catctgttaa gtaactaata gagtgccttat taaaagggtat 120  
 gtgtncata agtattaatt ccctttctnt ctttttctta ctagtgcact tgtgttttta 180  
 atggatcata ctttaccta tattgtattg tnggangcat cgtggatgga tggctgctgg 240  
 aaacccttg ccataaccan ctcttcttca atacttaagg atttaccgtg gctntganta 300  
 atganaatth cnaaaccaca ttttgaaaaa ttatttccat cccagtgcata cttgtgttta 360  
 cttcttaaca atcattttct aacttgaaag ctggcattcc atgtcttcat ttttgggctg 420  
 tttcaatgca agggcttccc taaaacaaaa accaactggg tnaatgttat taagtgattt 480  
 gaaaaaaatt ggaanancct attccatcta tgccttttga tgctacttta tattccggaa 540  
 anttaanttt cnccttattt tccaa 565

1872

<210> 2519  
<211> 543  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

1873

<220>  
 <221> misc feature  
 <222> (420)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (423)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (441)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (473)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (477)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (501)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (515)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (537)  
 <223> n equals a,t,g, or c

<400> 2519  
 gcacatagct agtcagtgac agactagtat ctgggtcact ggactcctta ctcaaaatct 60  
 actattttaat cagtctgtca gattaaccca cctggcatat gtacctggtg tgtgtgtaaa 120  
 gctctgatgt aatcagctgt acttagttcc ttttagtggt cctatctctt tatccaagtg 180  
 tattaatttc atcttattaa atctttgaag tatcagacca tgagaangca tgaanaaacc 240  
 tgggctgana atcttcgcta tangaaacct gatcttgact gtatggctgg cttaagacgt 300  
 ttcacactgg aattgcaaca cacttattgg tgacctaaagg tgcattgtnc tttgcaaaat 360  
 ctctcantna aggaatttat tggttnaaaa ctccttgaac tgccacaant gcggggcccn 420  
 ccnattaaaa gaaacaaagg nttttgctta aaaggccctt gaaaaccaat tcnaacncct 480  
 ggtccctcct cggaatttca naaaaaaaaat ccccnccctt tgaaccccc cctcaanaaa 540  
 aaa 543

1874

&lt;210&gt; 2520

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (89)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (167)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (248)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (333)

&lt;223&gt; n equals a,t,g, or c

1875

<220>  
 <221> misc feature  
 <222> (339)  
 <223> n equals a,t,g, or c

<400> 2520  
 gcgatgcgct gtatgccggt atggaacggg cagacgctga cgttcgtgca ggaccgaccg 60  
 tcggataaga cgtggaccta taaccgcant aatgtggtga tgccggatga tggcgcgccg 120  
 ttccgctaca gcttcagcgc cctgaaggac cgccataatg cccttnnagg tgaactggat 180  
 tgacccgaac aacggctggg aaacggcgac agancctgtt gaaagatacg cangccattg 240  
 cccgtttncg gtcgttatgt ttncaaaaat tgatnccttt tngcttttac cagccggggg 300  
 gggggggccc gttaccccat tccccccct atngttgant tcccttatta aaatt 355

<210> 2521  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<400> 2521  
 gctctctaga gccctagcag ttgaactggt agacaaagtg aacaatccag ataaccacgc 60  
 acattacact gaagcagatg acgatgactt tgagcccat gcaatcattc gtcataccat 120  
 tagatctaca aacaggaatg ccagagctga acggacagct tcagaaataa attttgacaa 180  
 attacaattt gaacctcctc tgagaaaaga aacagaagca cgagatgaaa tgggattgtc 240  
 atccagaccc aaatttcattg ttacagtggt aatccttttg ttgatggtgc aaatactggc 300  
 aaatcacctc aaaacgttgc aataccacc 329

<210> 2522  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (259)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (336)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (339)  
 <223> n equals a,t,g, or c

<400> 2522  
 ctttaatctc atttccccct ccatttccag gtactgcaaa aagcctttga cttcaaactg 60  
 cacaattcag atagcaaacac ctgggaaaagg caagaagtca acaccaaaac ccatccctat 120  
 tctagctgct ggtttttgct cagacaaaat gtcattgttg cttgtatatg gcagttgggt 180  
 tcagcctact attgagcgag tgggtacgtta gctgctactc tggagtaaag caatatagca 240

## 1876

tccctgttgt ccatggaana aaattgattt taaaaataac aacattgggc tttaagataa 300  
ataatatatc cttttttaat taaaggattc ttcatnatn 339

<210> 2523

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

1877

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2523

```

gggaggagct agangagctg gagcaggagg aattggccca ggagttgtta aatgtgggcg 60
acaaggaaga agaaccctca gtcaaattgc ctagtgtagc ttctactcat ctgcggcagg 120
gccagctccc aaagtggatg aagatgaaga agcactaaag cagttggctg agtgggtatc 180
ctgataaatc tgggcttgct ttcctaattgc tacctttggt ggtcctttct tccttaagtg 240
ccaagtgctg agctaaagga gaattgcagc tgantatgct cgaaatagtt catccangtc 300
angtggagaa acactatcgg gaaatggaag aaaaattagc actgattatt cagaaacatt 360
ggaaaggggc aggggaaaggg aaaatttttna ccaacngaag cngnctctta tanaa 415

```

&lt;210&gt; 2524

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2524

```

gatggttcag agaaaatatt actgattgtg cttgtcccag catttagcat gttgaagttt 60
tgtatataag aagtttttagc atagtggatt ttttataagt aggttaaaaa atactatttg 120
tatgttcagt taaactttct ctgtatgttt gtctgttaca gctcagtcct tttgtttaca 180
gcgagtttgc cagggagaga aaccttcacg ttccattact tgacccgact ctatgagcat 240
t 241

```

&lt;210&gt; 2525

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (506)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (518)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (530)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (531)



1878

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2525

```
gctcggatca ggatttaaac cggatgagga gtgaattgct ggtgcctggg tcacagctta 60
ttttagggtcc ccatgaatcc aagataccta tacttttgat tcagcagcca ggaaaagtga 120
ctggtgaaga tcgactaggc tggggaagtg gctgggatgt cctactccca aagggtctggg 180
gcatggcttt ctggattcca tttatttata gaggtgtgag agtcggaggg ttgaaagagt 240
ctgcagtgca ttctcagtat aagaggtcgc ctaatgtccc aggcgatttt ccagactgcc 300
ctgccgggat gctgtttgcg gaagagcaag ctaagaatct tcttgaaaag taaaaagac 360
gccctcctgc aaaacggccc aactacgtta agcttggcac tctggcacct ttctgctgtc 420
cctgggagca gttaactcaa gactgggagt caagagtcca ggcttacgaa gaaccttctg 480
tagcttcata tccnaatggt aagganagtg accttagnaa gatctgaagn nccttg 536
```

&lt;210&gt; 2526

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2526

```
cgcgacgntg ggcgggtccg cggcgcgntc ggtcggcgcc tattctcggg ctgtttggcg 60
gaggcttgga atagttaaata gactttggtc ttgtccaagg ttagatggag ttcaactcta 120
acgtcaagtc ttggtccttt tcattgacga agcttcacaa aagatgtcta agcaacagcc 180
aactcagttt ataaatccag aaacacctgg ctatgttgga ttgcaaacc tccccaatca 240
agttcaccga aaatcagtga aaaaagggtt tgagttcaca ctgatgggtg tcggtgaatc 300
aggtctagga aaatcgactc tcataaacag cctattccta actgatctgt acccagaaag 360
agtcatacct ggagcagcag aaaaaattga aagaactgtc cagattgagg cttcaactgt 420
tgaaattgaa gagcnagggg tcaagctacg gcttgncagt ggtagatacc cctggctatg 480
ggtgacg 487
```

&lt;210&gt; 2527

&lt;211&gt; 410

1879

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (251)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (363)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2527

```

ttanccctca ctaaaggggn caaaagctgg ggctccaccg cggtagacgac cgctctagaa 60
ctagtggntc ccccgggctg caggaattcg gcacgagggc cgttctggag ctgttgataa 120
gagagctcgg gaagctggaa atataaatca atccctgttg actttgggaa gggtcattac 180
tgcccttgta gaaagaacac ctcatgttcc ttatcgagaa tctaaactaa ctagaatcct 240
ccaggattct nttggagggc gtacaagaac atctataatt gcaacaattt ctctgcac 300
tctcaatctt gaggaactc tgagtacatt ggaatatgct catagagcaa agaacatatt 360
gantaagcct gangtgaatc agaaactcac caaaaaagct cttattaagg 410

```

&lt;210&gt; 2528

&lt;211&gt; 100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1880

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 2528  
cctgggaatg taatgagtgt ggaaaagaca ctctcggatg tcctacctcn ctgtacctta 60  
tgtaactcat tcatganana aaccctatna ntgtgctgaa 100

<210> 2529  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
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<222> (315)  
<223> n equals a,t,g, or c

<220>

1881

<221> misc feature  
 <222> (342)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (428)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (437)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (446)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (471)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (473)  
 <223> n equals a,t,g, or c

<400> 2529  
 gccgnacgac tggtacagag gtctccagag ccttctctct cctgtgcaaa atggcaactc 60  
 ttaaggaaaa actcattgca ccagttgcgg aagaagaggc aacagttcca aacaataaga 120  
 tcactgtagt ggggtgttga caagttggta tggcgtgtgc tatcagcatt ctgggaaaagt 180  
 ctctggctga tgaacttgct cttgtggatg ttttgggaaga taagcttaaa ggagaaatga 240  
 tggatctgca tcatgggagc ttatttcttc anacacctaa aattgtggca gataaagatt 300  
 attctgtgac cgccnattct aagattgtag tggtaactgc angagtccgt cagcaagaag 360  
 gggagagtcg gctcaatctg gtgcagagaa atgttaaatgt cttcaaattc attattcctc 420  
 agatcgtnaa gtacaantcc tgattncaat cataattgtg gtttccaacc nangtggaca 480  
 ttcc 484

<210> 2530  
 <211> 593  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (2)  
 <223> n equals a,t,g, or c

<220>

1882

<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1883

<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)

1884

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

1885

<220>  
 <221> misc feature  
 <222> (547)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (560)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (576)  
 <223> n equals a,t,g, or c

<400> 2530  
 tnttagngcc cgcagnncnc ggtccggaat tcccgggtcg acccacgcgt ccgactagtt 60  
 ctagttcgcg agcggccgct ctagaggatn caagggttacg tacgcaacca tgccagncna 120  
 angctntttt antggggcnn cnaaantnaa nttannnggc cgcngttnn caacgtcggtg 180  
 actgggaaaa ccttggcggt acccaactta atcgcccttc agnacatccc cctttcgcca 240  
 gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga 300  
 atggcgaaat ggacgcgccc tgtagcggcg cattaagcgc gnggggtgtg gtggttacgc 360  
 gcagcgtgac cgctacaact gccagcgccc tagcgcccg ccttttcgct ntcttccctt 420  
 cctttntcgn cacgttcgcc ggctttcccc gtcaagctct aaatcggggg ctncctttag 480  
 ggttccgatn tagtgcttta cggcacctcg accncaaaaa acttgattag ggtgatggnt 540  
 cacgtantgg gccatcgacn tgatagacgg atattngccc tttgacgttg gag 593

<210> 2531  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (11)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (15)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (44)  
 <223> n equals a,t,g, or c

<400> 2531  
 ccctcactaa nggancaaaa gctgggtgctc caccgcgggtg gcgnccgctc tagaactagt 60  
 ggatcccccg ggctgcagga attcggcacg agaattgtcag gtaattgtta gccaaccaat 120



## 1886

```

catattttaa actgagacac caagtaattg actggaatct ctttgtaccg gatttactaa 180
gtggtggggt ttctcatgga gtgagctggt gggagttcca ctatttcatt ggaatatgga 240
caaatttttag aatgaaaggt aaacacttgg gagagagaga gagaaagaaa cacagacgaa 300
gg                                                    302

```

<210> 2532

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<400> 2532

```

gccttctctn aatgaggctc cctgctcagc tcctggngct gctaagtctc tgggtctctg 60
gatccagtgg gaatattgtg atgactcagt ctccactctc cctgcccgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttggtatt gtacctgcag aagccagggc agtctncaca gctcctgata tatttggggt 240
ctaatcgggc cttcnngggn tccttgacag gntttt                                275

```

1887

&lt;210&gt; 2533

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (92)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (119)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (471)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (474)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2533

```
tttntatnat ttgcgaactc ccgttaaagc ttgtacgccc tgcaggnaacc ggtccggaat 60
tccccgggtcg acccacgcgt ccggnctctgt cntataacaa gcttaaaaac ataccaacng 120
tcaatgaaaa ccttgaaaac tattacctgg aggtcaatca acttgagaag tttgacataa 180
agagcttctg caagatcctg gggccattat cctactccaa gatcaagcag aagctcttta 240
```

## 1888

```

tgtcaatcgc atctcagaaa ccagtcttcc accggatatg tatgaatgtc tacgtgttgc 300
taacgaagtc actcttaatt aatatctgta tcctggaaca atattttatg gttatgtttt 360
tctgtgtgtc agttttcata gtatccatat tttattactg tttattactt ccatgaattt 420
taaaatctga gggaaatggt ttggaaacat ttattttttt taaaaaaaaa naanaagggc 480
ggccgctcta gaggatct                                     498

```

<210> 2534

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<400> 2534

```

gccccgcgct ccgggcccgc atggcgcccc gaaccctect cctgctactc ttggggggccc 60
tggccttgac ccagacctgg gggggctccc actccatgag gtatttcacc acatccgtgt 120
cccggccccg ccgcggggag ccccgttca tcgccgtggg ctacgtggac gacacgcagt 180
tcgtgcgggt cgacagcgac gccgngagcc agaggatgga gccgcgggcg ccgtggatag 240
agcaggagag gcctgagtat tgggaccagg agacacggaa tgtgaaggcc cactcacaga 300
ttgaccgagt ggacctgggg accctgcgcg gctactacaa ccagagcgag gccggttctn 360
acaccatnca natgatgtat ggctgcnaag tggggttcgg acgggcgctt cctncgcggg 420
taccaacat                                     429

```

1889

<210> 2535  
 <211> 565  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (8)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (13)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (263)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (293)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (383)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (499)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (538)  
 <223> n equals a,t,g, or c

<400> 2535  
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 cagtttagcaa aggaattcct cagtatgata tgtggaatgt tactcctaca gacctatggg 120  
 actggaaggt tctcaaggag aagattgcaa agtatggtat aagaaacagt ttacttattg 180  
 ccccgatgcc tacagcttcc actgctcaga tectggggaa taatgagtc attgaacctt 240  
 acaccagcaa catctatact cgnagagact tgtcaggaga atttcagatt gtnaatcctc 300  
 acttattgaa agatcttacc gagegggggcc tatggcatga agagatgaaa aaccagatta 360  
 ttgcatgcaa tggctctatt canagcatac cataaattcc tgatgacctg aagcaacttt 420  
 ataaaactgt gtgggaaatc tctcagaaaa ctgttctcaa gatggcagct gagagagggtg 480  
 ctttcattga tcaaagccna tctttgaaca ttccacattg cttgagccta aaccttantt 540  
 tggggggggcc ccccaaaaaa acccc 565

1890

<210> 2536  
<211> 185  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<400> 2536  
gcactatgca agctcnggat aacatcacga ncgcccggt gctgcagcag gaggttctgc 60  
agaacgtctc ggatgctgag agctgttacc ttgtccacac cctgctggag ttctacttga 120  
aaactgtttt caaaaactac cacaatagaa cagttgaagt cagggatnct nantncattc 180  
tctan 185

<210> 2537  
<211> 575  
<212> DNA  
<213> Homo sapiens

1891

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (473)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (505)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (507)  
<223> n equals a,t,g, or c

1892

<220>  
<221> misc feature  
<222> (521)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (531)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<400> 2537  
gccactngt cgcgccgat attaatagtc ttggaaagcg gtttctacag ctgctgcttt 60  
gcctgcaaat agcaatgctt ttcccaaaca tgcacataac actgccttct cttaacgaga 120  
acctccaaaa taaacaatag tcacccttga cctactaaac agtcatcaca tagagatgag 180  
tttttatcct caccttcttg cttcttcagt gaacaagtag taacaagcag cttctggatg 240  
tgcctngaac tgacttggna taccaatggt tgccaaaaat gnataaagng caaattgaaa 300  
aacacaggag actacatcta tatcagtgac acattttctt tcctttctta cagggttttg 360  
gaaattggcc atctgcatgg caaagaccga tctttctctg nctcaccaac ctgacaaaaa 420  
aggtgtgccca agggaactna tcttacctat cagtgatgtc cgggccagca tangtgcttg 480  
gggtcaatta cctttggtcg gaacngngca cacttgacat natggctcgg ntggactctg 540  
gaaagangaa aatggtggac atgtttgggc ataaa 575

<210> 2538  
<211> 628  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (574)  
<223> n equals a,t,g, or c

1893

<220>  
 <221> misc feature  
 <222> (578)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (580)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (603)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (619)  
 <223> n equals a,t,g, or c

<400> 2538  
 gggagaccag cctacagcnt tntgcttntg tatccagcgc caggteccgc cagteccagc 60  
 tgcgcgcgcc cccagtcgcc gcacccgttc ggcccaggct aagttagccc tcaccatgcc 120  
 ggtcaaagga ggcaccaagt gcatcaaata cctgctgttc ggatttaact tcattctctg 180  
 gcttgccggg attgctgtcc ttgccattgg actatggctc cgattcgact ctcagaccaa 240  
 gagcatcttc gagcaagaaa ctaataataa taattccagc ttctacacag gagtctatat 300  
 tctgatcgga gccggcgccc tcatgatgct ggtgggcttc ctgggctgct gcggggctgt 360  
 gcaggagtcc cagtgcattgc tgggactgtt ctccggcttc ctcttggtga tattcgccat 420  
 tgaaatagct gcggccatct ggggatattc ccacaaggat gaggtgatta aggaagtcca 480  
 ggagttttac aaggacacct acaacaagct gaaaaccaag gatgagcccc agaggggaaac 540  
 gctgaaagcc atccactatg cgttgaactg ctgnnggntn ggctgggggg cgtgggaaaca 600  
 agnttatctc aagaaaatnt ggccccaa 628

<210> 2539  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature



1894

<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
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## 1895

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ctcaccacac tctggagcaa cccggacatg gacactccca cagtggccag ggccccattc 180
tgtctgtggg actgngggnt ctcagnggaa ttgntgcctt tnttgacgtg gagaaatttg 240
ngagacatgt gaaaggagga catggtcaca gtcatggaca tggacacgct cacagtcata 300
cacgtggaag tcatggacat ggaagacnag agcgtttctac canggagaag cngatctcag 360
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1896

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 acatcaccct ctgtgacttc atcgtgccct gggacaccct gagcaccacc cagaagaaga 180  
 gcctgaacca caggtaccag atgggctgcg agtgcaagat cacgcgctgc cccatgatcc 240  
 cgtgctacat ctctctccccg gacgagtgcc tctggatgga ctgggtcaca gagaagaaca 300  
 tcaacgggca ccaggccaag ttcttcgcct gcatcaagag aagtgcaggc tcctgtgcgt 360  
 ggtaccgcgg cgcggcgccc cccaagcagg agtttctcga catcgaggac ccataagcag 420  
 gccttcaacg cccctgtggc caactgcaaa aaaagccttc aagggtttcg actggtccag 480  
 ctctgacatc ccttcttgga aacagcatga ataaaacact catcccatgg gttccaaatt 540

1897

aaanaatnnn n

551

&lt;210&gt; 2541

&lt;211&gt; 669

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;222&gt; (374)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (406)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (441)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (547)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc. feature

&lt;222&gt; (552)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (608)

&lt;223&gt; n equals a,t,g, or c

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&lt;222&gt; (615)

&lt;223&gt; n equals a,t,g, or c

1898

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gagctgagca ggcggaggcc gacaagaagg cggcggaaga caggagcaag cagctggaag 180  
atgagctggt gtcactgcaa aagaaactca agggcaccga agatgaactg gacaaatact 240  
ctgaggctct caaagatgcc caggagaagc tggagctggc agagaaaaag gccaccgatg 300  
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tcgtgcccaa gaancgttct ggcaacagct ttgcagaaac ttggangaag cttgagaagg 420  
cagcagatga gagtgagaga ngcatgaaag tcattgagaa gtcgagccca aaaagatgaa 480  
gaaaaaatgg aaattcagga gatccaactg aaagaagcaa agccattgtt aanatccgac 540  
cggaatntna anagggggcc gtaactggca ttattgaaag gactggaact gcaaaagacg 600  
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agttagggtt 669

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1899

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ttcgctgcg ccaagctcgc ctgcaccccc tctctgatcc gagctggatc catagttgca 180  
tacagaccaa tttctgcntc agtgtttatc tcgaccagaa gctaataanga ctggaaaagg 240  
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tccaaancna 310

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ttggagtgtg ttttcatcct gtttttgaca ctaagcagat acgaaatggg gttaaaagta 180  
ttggtgagaa gactgaagct tcgttagtat ggtttactcc tccgagaact tcaaaccagt 240  
ggcttgattt ctggttacgt catcgactcc agtggtggag aaagtttgcc atgagtccat 300  
ctaacttcag cagcagtgac tgtcaggatg aagaaggccg gaaaggaaac aaactttact 360  
acaattttcc cctggggaaa ggagttaata gaaaccctgt ggaacctaaag agatccgaac 420  
ttttacacat gtatcctggc aatgnggcta aattaccatg gccgaaatgg acgaaaaaat 480  
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1902

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## 1904

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ncacgcanaa tnnccanattg acttggnngcg agaagctgnt tataaaattt ttctttatcc 120  
caatgctggg caattgaaat gtntataaga attgctcagc agcaganatc ttntggcaaa 180  
gtnggngggg nattccangn nttctcacag ggctctncaa ggaacgatag ctnanaatnc 240  
agagactgac atgcagggtcc ttgaaaaact atctggcaaa cttnntgaaa gancctctgaa 300  
agattttttag atgatacgan ggatgaaant gaaactgaat cctcaaaatt ccnaagtaat 360  
gccntgggac ccccnttact acagtgggtgt gattcgtgca gaaaggnta atattgagcc 420  
cagcctatat tgccccgnntt tctntcttgg agcatgcatg gaaagcctga atattn 476

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<212> DNA  
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## 1905

<222> (56)  
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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

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 ngcacagttt tctctcttgg agcatgcatg gaaggcctga atattttgct taacagactg 120  
 ttggggattt cattatatgc agagcagcct gcaaaaggag aggtgtggag cgaagatgtc 180  
 cgaaaactgg ctgttgttca tgaatctgaa ggattgttgg ggtacattta ctgtgatttt 240  
 tttcagcgag cagacaaacc acatcaggat tgccatttca ctatccgtgg aggcagacta 300  
 aaaggaagat gggagactat ncaactccca gttgtaagtt cttatgctgg aatcttcccc 360  
 gttcccgnna gggagttctc caactttggc naangcctgg gcatgatggg aaaacctttc 420  
 ccagganggg ggac 434

<210> 2546  
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 <212> DNA

## 1906

<213> Homo sapiens

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<222> (34)

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<222> (455)

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<221> misc feature

<222> (529)

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<222> (567)

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<221> misc feature

<222> (585)

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<222> (586)

<223> n equals a,t,g, or c

<400> 2546

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ccaaccctgg acacgaaggc cccacccggc cggagaacga aaccctgggg tcgtctgaag 120  
aggaggggcca ggagtcccca gggccagaca gcgaagcccc agagctgctg cggagctgaa 180

## 1907

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caccgagggtc cccaagccct cgcgaaagga cgtggagatc ctggagcaag agagcggaagt 240
cctcgagcca tcagtcgagc aggacgcaga gagccccggg ctgtccacag ctgcgggctt 300
tgagagtcc tggccaggca gagacgaccc tgggccgtcc gaagcgcaaa gggcggagggt 360
ccaggggcag catccccctc caggccctaa gacctcctnc tccaggtcag gctcgggaagc 420
ccccacctg cgttttccgc cgtgccccga ggctnccag cgtcccccgaggaggcggtt 480
catggagacg cccatcgagc gcgaaatccg ccggagctgc gaacgcnang agaagctgcg 540
cccgaacccg ggccttagcc cggccgngca agccgtgaac tcgttnnaact t 591

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<210> 2547

<211> 331

<212> DNA

<213> Homo sapiens

<220>

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<222> (276)

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<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

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<222> (294)

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<220>

<221> misc feature

<222> (321)

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<220>

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<400> 2547

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gggaagctgc tgaaaaggct aaatgtgaac tctcctcatc tgtgcagact gacatcaatt 120
tgccctatct tacaatggat tcttctggac ccaagcattt gaatatgaag ttgacccgtg 180
ctcaatttga agggattgtc actgatctaa tcagaaggac tatcgctcca tgccaaaaaag 240
ctatgcatga tgcagaagtc atcttgagtg acatangaga agtgantcct gtgngtggca 300
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<210> 2548

<211> 558

<212> DNA

<213> Homo sapiens

## 1908

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<220>  
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## 1909

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aatggaacag aaccttcata cctgccattc ttggacccca atgcccgccc cctgggtacca 120  
gagggtctcca ttaaggtaca gaggttagagt gggagagtgt tgcaagctct agcacagtag 180  
ttatatctctg ccacaaattg ggggggtgaac acaggagaga atcaaaggag gctttgaagg 240  
taggagtttg tgcaggcata tcttataccc actgagcaca gctgccaaact gttgcccttt 300  
attcgtctat ttctcagact ccacgggtat tcaatacagg ggggtgccct cggatccttg 360  
ctttggactg tggcctcaag tataatcaga tcgatgcctc tgcancgtgg ggctgangca 420  
ctgtngtacc ctgggacatg cactanacag ccaaantttg agggctcttc ttaagtatgg 480  
gctgggtgacc tgctctattc catgcgnatc cactgancgg tttattganc tatnccgact 540  
gntttggact gctggcac 558

<210> 2549  
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<212> DNA  
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<223> n equals a,t,g, or c

<220>  
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<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c



## 1910

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
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<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>

## 1911

<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<400> 2549  
gcgactncat tgnngganaga attnaccaag ngtngcagtn tgcngggnnc cancacactt 60  
tnatnggtgt ttnggacatt tatggtttcg aaacctttga tgtgaacagc tttgaacaat 120  
ttgcncccaa attacgctna tgaaaaactg caacaacagt ttaacatgca tgtcttcaaa 180  
ctggaacaag aagaatacat gaaggaagat ataccttgga cgctgataga tttttatgac 240  
natcaaccag tttttgacct gattgaanca aaatgggaat cctgganttt ctggatnaaa 300  
aatntttgtt tcc 313

<210> 2550  
<211> 505  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

1912

<220>  
 <221> misc feature  
 <222> (68)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (103)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (104)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (469)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (474)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (483)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (490)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (496)  
 <223> n equals a,t,g, or c

<400> 2550  
 agggnaagct ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 60  
 gcccatnntt ccgctagctt tctccgatta taaacaacac tgnnctgaac atccttgtgg 120  
 cacggtcttt gctcacatgc agggttattt tgccagtgtc gggttcctgga aaaaaaatag 180  
 ttgggagcag aatgtacaca cttttgggac tcgtaatgcc tctcctggga aaggcggggc 240  
 ccgtcttctg ctcccccaac agtgtgggaa acggtaccct ctcccttgct gggcagcaag 300  
 cacctcttcc cagtgtctgat ggaatcttgg tgccctctgc cctcagctgc acagaagctc 360  
 tgccgcctct tgggactggg ggtgacggat ttctcccgag ccttgctcac ccctcgcatc 420  
 aaagttggcc gagactatgt gcagaaagcc cagactaagg aacaggtang cggngctggc 480  
 ggnggggaan gcacanaaag agccg 505

## 1913

<210> 2551

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<400> 2551

ctngaagatt tgcattgactt gctagcttca ttgntgaata atgcatntga tgactatcta 60  
aatgccatga tnagtggaggc tccaatgccc atcagntttg ccatgttcct naccatgtt 119

<210> 2552

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2552

## 1914

```
gaaagtgctg atgaggaatc tggctctgcc tgaggacgtc cgaggggaagt gcacgagcct 60
gctgcagctc tatgatgcct ccaacagcga gtggcagctg gggaagacca aggtctttct 120
tcgagaatcc ttggaacaga aactggagaa gcggagggaa gaggaagtga gccacgcggc 180
catggtgatt cgggcccatt tcttgggctt cttagcacga aaacaatata gaaaggctct 240
ttattgtgtg gtgataatac agaagaatta cagagcattc cttctgagga ggagattttt 300
gcacctgaaa aaggcagcca tagttttcca gaagcaactc agaggtcaga ttgctcggag 360
agtttacaga caatttgctg gcagagaaaa gggagcaaga anaaaaaaaa a 411
```

<210> 2553

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 2553

```
gaacagctta gcaaaggaaa ctttggagcc cctctctcag gcagcctggt tgcttcaggt 60
caagaagacc acagacagtg atgccaaggn gatctacgaa cgctgcacct cactgtctgc 120
tgtgcagatc ataaagntcc ttaattcata cacacctata gatgactttg agaagagagt 180
gactccatcc tttgttcgca aagtacagg 209
```

<210> 2554

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 1915

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (587)

<223> n equals a,t,g, or c

<400> 2554

```
ggcaaaaggt acatcaaggc actggcagaa gaaaacagga atgtggtgga tgggccatac 60
gctggagtca tgacagctta tgatctgaag aaaacccttg ctgtgttatt agataacatt 120
ttgcagcgca ttggcaagtt ggagtcgaag gtggacaatc ttgttgtcaa tggcaccgga 180
acaaactcaa ccaactccac tacagctgtt cccagcttgg ttgcacttga gaaaattaat 240
gtggcagata tcattaacgg agctcaagaa aaatgtgtat tgcctcctat ggacggctac 300
cctcactgtg agggaaagat caagtggatg aaagacatgt ggcgttcaga tccctgctac 360
gcagactatg gagtggatgg atccacctgc tcttttttta ttacctcag tgagggtgaa 420
aattggtgtc ctcatctacc ttggagagca aaaaatccct acgaagaagc tgatcataat 480
tcattggcgg aaattctaca gatttttaat attctctaca gtatgatgaa aaaagcatga 540
aanaattccn ggtggatgag actacggatc cggcnaaatg gctnacncat ggatccaagc 600
aat 603
```

<210> 2555

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

## 1916

<220>  
 <221> misc feature  
 <222> (433)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (439)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (458)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (464)  
 <223> n equals a,t,g, or c

<400> 2555  
 gcgtgtcggg acgtgcggag gctctcactt tccgtcatgg cgctgaagga acaaacaatt 60  
 cctccgtccg ctaagtatgg cgggcggcac acggtgacca tgatcccagg ggatggcatc 120  
 gggccagagc tcatgctgca tgtcaagtcc gtcttcaggc acgcatgtgt taccagtgga 180  
 ctttgaagag gtgcacgtga gttccaatgg ctgatgaaga ggacattccg caatggccat 240  
 catgggccat ccgccgggaa ccgcgtgggc ctttgaaggg gcaacattcg aaaccaacca 300  
 ttaaccttgc caccgttcgc acaaattctt gaaacaacat nctttcggca ncagcttngg 360  
 acntctattg ccaacgttca ttccattggt aagagccttt ccaggcgtng gttgaaccgg 420  
 gcacaaggac ttngacatnc tcccattggt ccggggganaa caanaggggg a 471

<210> 2556  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (69)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (100)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (113)  
 <223> n equals a,t,g, or c

<220>

1917

<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<400> 2556  
gcaatactca tcattaataa tcataatggc tatagcaata aaactaggaa tagccccctt 60  
tcacttctna gtcccagagg ttacccaagg caccctctn acatccggcc tgnttcttct 120  
cacatgacaa aaactagccc ccattctcaat catataccaa atctctccct cactaaacgt 180  
aagccttctc ctactctct caatcttct catcatagca ggcagttgaa gtggattaaa 240  
ccatcccagc tagcnaaat ctnaacttac tcttcaatta cccacatang atgaataata 300  
ncagtcctnc cgtacaacct ac 322

<210> 2557  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c



## 1918

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (403)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<400> 2557  
gcaacaatat actctccgga caatgaacca taaccaatac taccaatcaa tactcatcat 60  
taataatcat aatggctata gcaataaaac taggaatagc cccctttcac ttctgagtc 120  
cagagggttac ccaaggcacc cctctgacat ccggcctgct tcttctcaca tgacaaaaaac 180  
tagcccccat ctcaatcata taccaaactt ctccctcact aaacgtaagc cttctcctca 240  
ctctctcaat cttntccatc atagcaggca gtttnangtg gattaaacca aaccagctt 300  
cgctaaatct tagnatactc ctccaattan ccacatggga atgaaattat agcaggttct 360  
tacggttana accctaacat taacngtcct gaattttaac ttntttnttt tatccctga 419

<210> 2558  
<211> 491  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>

## 1919

<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (468)  
<223> n equals a,t,g, or c

<400> 2558  
gggacaatga accataacca atactaccaa tcaatactca tcattaataa tcataatggc 60  
tatagcaata aaactaggaa tagccccctt tcacttctga gtcccanaag ttacccaagg 120  
caccctctctg acatccggcc tgcttcttct cacatgacaa aaactagccc ccatctcaat 180  
catataccaa atctctccct cactaaacgt aagccttctc ctactctct caatcttattc 240  
catcatanca ngcagttgan gtggattaaa ccaaaccag ctacgcaaaa tcttagcata 300  
ctctctcaatt acccacatan gatgaataat aacagttcta ccgtacaacc ttacataacc 360

## 1920

attctttaatt taactatttta tattatccta actactancg cattcctact aatccactta 420  
 aaatccacan cacgaancta ctactatctc ncaccttaaa aaactttnat taaatacacc 480  
 cttattcctc c 491

<210> 2559

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<400> 2559

gaatatactc tccggacaat gaaccataac caatactacc aatcaatact catcattaat 60  
 aatcataatg gctatagcaa taaaactagg aatagecccc tttcacttct gagtcccaga 120  
 gggttaccxaa ggcacccctc tgacatccgg cctgcttctt ctcacatgaa caaaaactag 180  
 ccccatctc aatcatatac caaatctctc cctcactaaa agtaagcctt ctctcactc 240  
 tctcaatctt ttccatcttn ncaggctntt anggtggatt naaaccaacc 290

<210> 2560

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

## 1921

<220>  
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<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>

## 1922

<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (410)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (493)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (497)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (554)  
<223> n equals a,t,g, or c

<400> 2560  
gctcgtgccg aattcggcac gagcttctcc tcactctctc aatcttatch atcatagcag 60

## 1923

```

gcatttgang tggattaaac caaanccagt tacgcaaaat cttancatac tcctcaatta 120
ccacatanga tgaataatag cagttctacc ntacaaccnt aacataacca ttcttnattt 180
aactatttat attatcctaa ctactaccgc attcctacta ctnaacttaa actccagcac 240
cacgacccta ctactatctc gcacctnaaa caagctaaca tgactaacac ccttaattcc 300
atccaccctc ntctccctag gangcctgcc cccgctaacc ggctttttgc ccaaattgggc 360
cattatcgaa gaattcacga cnaacnatag cctcatcatc cccaccatcn ttgnccacat 420
cacctcetta aactctaatt ctaactacgc ctaatctact ccacctcaat tacacttact 480
cccatntctt aanaacntna aaataaatgg acgttggaac attcaaaacc caccattctt 540
ccccacactc aanacttaa cacgtt 566

```

<210> 2561

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<400> 2561

```

gaatcaacac cctcctagcc ttactactaa taattattac attttgacta ccacaactca 60
acggctacat agaaaaatcc accccttacg agtgcggtt cgacctata tccccgccc 120
gcgctccctt ctccataaaa ttctcttag tagctattac cttcttatta ttgatctag 180
aaattgccct ccttttaccc ctaccatgag ccctacaaac aactaacctg ccactaatag 240
ttatgttcat cctcttatt aatcatcatc cttagcccta antctggcct atganttgac 300
taccaaaagg attagantgg aaccgaattn n 331

```

<210> 2562

<211> 539

<212> DNA

## 1924

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

## 1925

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c



## 1926

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (488)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (516)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (525)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (538)  
<223> n equals a,t,g, or c

<400> 2562  
ncaaacccta gacaaaacac atngcctacc cctncnttgt actatcccta tgaggcataa 60  
ttataacaag ctccatctgc cnacgacaaa cagacctaaa atcgctcatn gcatactctt 120  
caatcagcca catagnccctc gtagtaacag ncattctcat ccaaaccctc tgaagctnca 180  
ccgngncagt cattctcata atcgcccacg gacttacatc ctcattacta ttctgcctag 240  
caaactcaaa ctacgaacgc actcacaggc gnntcataat cctctctcaa ggacttcaaa 300  
ctctactccc actaatagnt ttttgatgac ttctagcaag cctcgctgan ntcgncttac 360  
cccccantga ttaacctact gggagaactc tctgtgctag taaccacgtt ctctgatca 420  
aatatnactc tcngntnac aggactcaac atactaatcg cagggcctgg tgctccctct 480  
aacatatntc gcacaaacgn aaatgggggg gtcaantcac ccaanccaca tttgaacng 539

<210> 2563  
<211> 453  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (17)  
<223> n equals a,t,g, or c

1927

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
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<222> (148)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (192)  
<223> n equals a,t,g, or c

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<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
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<222> (264)  
<223> n equals a,t,g, or c

<220>  
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<222> (266)  
<223> n equals a,t,g, or c

<220>

## 1928

<221> misc feature  
<222> (288)  
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<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1929

&lt;222&gt; (394)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (405)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (411)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (416)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (427)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2563

```

gatcataatg gctatancaa taaaactagg aatagccccc ttctacttct gagtcccaga 60
gggttacccaa ggcnacccct cctgaaattc cggcctggct tccttctcac attgaacaaa 120
aaaactaagn cccccaatct caattcanta ttacccaaaat tcttcttccc ctccaactta 180
aaaacgntta angeccnttc cttccctcca acttcttctc tcnaaattcc tttaattccc 240
attccaatta agccaagggg gcnnngntttg aaaaggggtg gggaatttna aaaaccccaa 300
aaanccccc aagcntttnc ccgccaaaaa aattcctttt aannccaatt aacctncccc 360
tnccaaattt ttaacccccc nccctttttg gggnaattgn aaaantttta nttaangcca 420
aggtttnccc ttaccgggtt ttacccaaaan ccc 453

```

&lt;210&gt; 2564

&lt;211&gt; 527

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

## 1930

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

1931

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
^ <223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

## 1932

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (505)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (516)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (518)  
<223> n equals a,t,g, or c

<400> 2564  
gcctctgagc aaggtccctc tgcagcanaa cttccaggac aaccaattcc aggggaagtg 60  
gtatgtggta ggctggcan ggaatgcaat tctcagagaa gacaaagacc cgcaaaagat 120  
gtatgccacc atctatgagc tgaaagaaga caanagctac aatgtcacct ccgtcctgtt 180  
tangaaaaag aagtgtgact actggatcan gacttttggt ccangttgcc ancccggcga 240  
gttcacgctg ggcaacatta ananttacc tggattaacn anttacctg tccgagtngt 300  
gancacaact acnaccagca tgctntgggt ttcttccaaa aaatttctcn aaacanggaa 360  
ttcttccana tcacctctcn ggaaaaacca ngaacttgac ttccggaact taaaggaaaa 420  
acttctctcc cctctctcca atttctctgg gccctcttaa aaaccactct ccttcccttt 480  
tcccattcca acantttttt naaanggtga attttnangt ttcccc 527

<210> 2565  
<211> 547  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

## 1933

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (493)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (521)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

<400> 2565  
gcaggggtttc tgtgtgtttgg gtgncggggg gggtgaaagc caccagggga ggcagccaaa 60  
ggaaanaagg acatctggtg ctggaggggc tgagtggggc ccagggggccc caggcaggcc 120  
aggaggggaca gcctggtgtc agctcaggga gaaggcccag gccatctcg gctgggtggg 180  
gtaggggcccc tccaggtagt gggggatgag ctgtcacggg ttggggccga ctgagagcaa 240  
cagaacctg ctgctgccct ggccccacct tgtccagcac aggaggccca agcctgggtt 300  
gtctccctc tcaccaccc atctctccct cccaaggaaa aagaagtgtg actactggat 360  
caggactttt gttccangtt gccagcccg cgagttcacg ctgggcaaca ttaanagtta 420  
ccctggatta acgagttacc tcgtccgaat ggtgagcacc aactacaacc agcatgctat 480  
ggtgttcttn aanaaagttt ctnaaaacag ggaagtactt naagaacacc ttttacngga 540  
gaaccaa 547

<210> 2566  
<211> 593  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c



1934

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2566

```
ccanccctca ctaagggaac aaagctggng ctccaccgcg gtggcgggcg ctctagaact 60
agtggatccc ccgggctgca ggaattcggc acgaggggtc ccgggcgcgt ttcgggtgct 120
ggcggctgca gccgagttca aacctaagca gctggaaggg ccctgtggct aggtaccata 180
gagtctctac acaggagtaa atcagcctgg tgtgcagggg aggcagacac acaaacagaa 240
aattggacta cagtgctaag atgctgtaag aagagggttaa ctaaaggaca ggaagatggg 300
gccaagagat ggtgctactg tctactttag ggatcgtctt tcaaggcgag gggcctccta 360
tctcaagctg tgatacagga accatggcca actgtgagcg taccttcatt gcgatcaaac 420
cagatggggg ccagcggggg cttgtgggag agattatcaa gcgttttgag cagaaagggt 480
ccgccttggt ggtctgaatt catgcaagct tccgaagatc ttctcaagga acactacgtt 540
gacctgaagg accgtccatt ctttgccggc ctggtgaaat acatgcactc agg 593
```

&lt;210&gt; 2567

&lt;211&gt; 416

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (365)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (370)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (393)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2567

```
gctggaagca ctgttcagcg atgtcaacat gcaggaatac cccgatttaa ttcacattta 60
taaaggcttt gaaaatgtaa tccatgacaa attgcctctc caagaaagtg aagaagaaga 120
```

## 1935

```

gagggaggag aggtctggcc tccaactaag tcttgaacaa ggaactggtg aaaactcttt 180
tcgaagcctg acttgccac cttcgggttc cccatctcat gctggtacaa cccacactga 240
aaatggactc tcagagcacc cctgtgaaac agaacagata aatgcaaaga gaaaagatac 300
aaccagtgc aaagatgatt cgctaggaag ccaacaaaca aatgaacaat gtgctcaaaa 360
agctnagccn acagaagtct gcgaaccaat tgnttnncca agtgaaatat ggggat 416

```

&lt;210&gt; 2568

&lt;211&gt; 441

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (147)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (174)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (383)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2568

```

gttcacctca ctaaggganc aaaagctgga gctccaccgc ggtgcggccg ctctagacta 60
gtggatcccc cgggctgcag gaattcggca cgagattccg tcctgcgcgg ttgttctctg 120
gagcagcggt cttttatctc cgtccgnctt ctctcctacc taagtgcgtg ccgncacccg 180
atggaagatt cgatggacat ggacatgagc ccctgaggc ccagaacta tcttttcggt 240
tgtgaactaa aggccgacaa agattatcac tttaaggtgg ataatgatga aaatgagcac 300
cagttatctt taagaacggt cagtttaggg gctggtgcaa aggatgagtt gcacattggt 360
gaagcagagg caatgaatta cgnaggcagt ccattaaagt aacactggca actttgaaaa 420
tgtctgtaca gccaacggtt t 441

```

&lt;210&gt; 2569

&lt;211&gt; 520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (429)

&lt;223&gt; n equals a,t,g, or c

## 1936

<220>  
<221> misc feature  
<222> (445)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<400> 2569  
gagaaaagca gggaacatga gatcgatggg cgatctatatt cctgtacta tactggagag 60  
aaaggtcaaa atcaagacta tagaggtgga aagaatagca cttggagtgg tgaatcaaaa 120  
actctggttt taagcaacct ctctacagt gcaacagaag aaactcttca ggaagtattt 180  
gagaaaagcaa cttttatcaa agtaccacag aaccaaagt gcaaatctaa agggatatgca 240  
tttatagagt ttgcttcatt cgaagacgct aaagaagctt taaattcctg taataaaaagg 300  
gaaattgagg gcagagcaat caggctggag ttgcaaggac ccaggggatc acctaatagcc 360  
agaagccagc catccaaaac tctgtttgtc aaaggcctgt ctgaggatac cactgaagag 420  
acattaaaang gagtcatttg acggnntccg nttcgggccca aggatagttt actggcccgg 480  
ggaaaactng ggtncctccc aaaggggttt tgggtttttg 520

<210> 2570  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

1937

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>

1938

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2570

```
gcagcggctc cnggttcttg aaggccctga ccttcatggc cgtcggagga ggactcgag 60
tcgccgggct gcccgcgctg ggcttcaccg gcgcgggcat cgcggccaac tcggtggctg 120
cctcgctgat ganctggtct gcgatacctna atggggggcgg cgtgcccgcc ggggggctag 180
tggccacgct gcagagcctc ggggctggtg gcagcaaagt cntcatangt aatattggtg 240
ccctgatggg ctacgccacc cacaantatc tcgatagtga ggaggatgan gaganccag 300
cagctnccan aacctcttct tccttcttgg cctaactctt ccagntagga tctagaactt 360
tgcctttnat ttttttttta tttttttttg aaananggtt ctcactatat tgnag 416
```

&lt;210&gt; 2571

&lt;211&gt; 432

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (213)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

1939

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (409)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2571

```
tcacacgcct gcagttcacc accaccgtgg tctcttgctg tcccgcggan tgcagactga 60
agggagcaac ggcaagaaag aagtgtctgag cggtttccaa gtggtgctgg aagacacagt 120
gcttttccct gagggcgggg gacagcctga tgaccgtggg acaatcaatg acatctctgt 180
gctgagagtg actctgtgct gagagtgact cgncgtgggg aacaggctga tcatttcacc 240
cagacacccc tggntccagg aagccagggt ctngtccgng tagattggga gcggagggtt 300
gaccacatgc agcagcattc agggcagcat ctcacacagg cagttntga ccatctat 360
aagctgaaga caacatcatn ggagttaggg agatttcgga gtgcgattna gctggacacc 420
ccctctatga ct 432
```

&lt;210&gt; 2572

&lt;211&gt; 693

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (614)

&lt;223&gt; n equals a,t,g, or c

1940

<220>  
<221> misc feature  
<222> (635)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (663)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (687)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (688)  
<223> n equals a,t,g, or c

<400> 2572  
gcaaagactt gccacactga ataagtgcct gatgaacttt aagctagggga atttcagcta 60  
tcaaaaaaac ccaactgaaat tgggagagct tcaaggaaac cacttcactg ttgntctcag 120  
aaatataaca ggaactgatg accaagtaca gcaagctatg aactctctca aggagattgg 180  
atattattaac tactatggaa tgcaaagatt tggaaccaca gctgtcccta cgtatcaggt 240  
tggaagagct atactacaaa attcctggac agaagtcatg gatttaatat tgaaaccccg 300  
ctctggagct gaaaagggct acttggttaa atgcagagaa gaatgggcaa agaccaaaga 360  
cccaactgct gcctcagaaa actacctgtc aaaagatacc cagaaataat cgcttaatgt 420  
atattcatag ctaccaaagc tatgtgtgga ataacatggt aagcaagagg atagaagact 480  
atggactaaa cctgttccag gggacctcgn tctcaaagga cccagcccc tatattgagg 540  
aagatgatgt aataattact ctatncatga tgtgggaatg ccttgccctgg tttcgatggt 600  
atctacccca agcnttaaaa ttcaagaagc ctacngggaa atgctcccag ttgacaatct 660  
ganatggcca cctgagaccc aaaatcnnaa ttt 693

<210> 2573  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>

1941

<221> misc feature  
 <222> (343)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (348)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (352)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (359)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (364)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (395)  
 <223> n equals a,t,g, or c

<400> 2573  
 tcgaggctga cggttgacggt gttgataatg agatcaaact gccccgccag tgctttcagt 60  
 gcttgccgat cgcggctatt caccacttta tcggcaccca tcgccagcac ttctgtctct 120  
 ttgcgccgat tagaactaaa ggctgtcacc tcgcatccca ttgcgtgcag aagttttata 180  
 gcgatatgcc ccagcccgcc aataccaatt accccaacgc ggctggtagc agtgcataatg 240  
 gtgcatcaac agtgggttaa agaccgtgga taccgncgca caacagcggc cccggnggac 300  
 tcgatatcca atatttttct gggcagtggg attcaccat tgnccatncc gnacggaant 360  
 tttnggcaag ccaccgggat ttcaaactcg ggggnaccga acttggt 407

<210> 2574  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (8)



1942

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2574

```
ggcanagnaa acagaaaact gcaaaatatt gatgacaaaa attaaagaag acataaataa 60
atggagaaat ataccatgct catggattgg aagacttaca ttgctaaact gtcacttctc 120
cccagatgga tctacagagt ccacataatc tcaacttaaaa ctccagaaga aatttttatg 180
aaagttgaca gctgattcta aaattttaca tagaaatgca aaggctctccg aatagtcaaa 240
acaattagga aaaggaaaaa caagttggaa gacttacttt ccggctgggt taaaggtgga 300
ctacacagtt acagtaatca gataggttgg tattaggttg gacagttggt tcattggatt 360
ggntgcgggt tttggattng acncacacng aattgtncct tggtttttta atagt      415
```

<210> 2575

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

## 1943

<220>  
 <221> misc feature  
 <222> (187)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (191)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (192)  
 <223> n equals a,t,g, or c

<400> 2575  
 ggcagcggcg gcggcgcgga gagacgcagc ggaggttttc ctggtttcgg accccagcgg 60  
 ccggatggtg aaatcctccc tgcagcggat cctcaatagc cactgcttcg ccagagagaa 120  
 ggaaggggat aaaccacgcg ccaccatcca cgccagncg accatgccgc tnctaagcct 180  
 gcacagnccg nng 193

<210> 2576  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<400> 2576  
 gaaacagagt ccagagctgg tgaagaagca caagaaaaag agggttgtcc ccaaaaagcc 60  
 tcccccatca ccccaacctc cagggaaaat tgagatcaaa attgtccgcc catgggctga 120  
 agggactgaa gaggggtgcac gttggctgac tgatgaggac acgagaaacc tcaaggagat 180  
 cttcttcaat atcttgggtgc cgggagctga agaggcccag aaggaacgcc agcggcagaa 240  
 agagctggag agcaattacc gccgggtgtg gggctctcca ggtggggagg gcacagggga 300  
 cctggacgaa tttgacttct gagaccaaac agcagagtgg agctgagctg tggacctctc 360  
 gggcaactct gtgggtgtgg gggccctggg tgaattctgc tgcccctgct ggcagccacc 420  
 ttgagacctc accgggcctg tgattttgct ctctgaact ctactcaa 469

<210> 2577  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<400> 2577  
 ttgtaattta aggatcgggg accaaaaatg tttaaagact aaatgtgttc acattactat 60  
 agatatgtct ataagggtgaa gattcttttc ttaggtatac aaatgtgatg ttgtatataa 120  
 atgggcttcc caccacaaa tgcttattag cctaaaatgg cctgaaagct ctagtaatta 180  
 aattatttct ctgcgtccta attttttgtc tttgaaacag attattttaga aaatcatgta 240  
 cttcgcttaa gtttctaact tttacttget ttttccagag ttatttatac caaatcctac 300  
 aggggattgt gttttgtcac tctagaagag ttcttcacag agactta 347

<210> 2578  
 <211> 330

1944

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<400> 2578  
gctcgtgccg aattcggcac gageggcacg agtaaggggt cctgctttca cagaattatt 60  
ccagggttta tgtgtcaggg tgggtgacttc acacgccata atggcactgg tggcaagtcc 120  
atctatgggg agaaatttga agatganaac ttcatacctaa agcatacggg tcctggcatc 180  
ttgtccatgg caaatgctgg acccaacaca aatgggtccc agtttttcat ctgcactgcc 240  
caagactgat tggttgggat ngccaacatt tgtntttttg ggcaaagtn aaaagaaagg 300  
catgaatatt gttggaaagg ccatggaacn 330

<210> 2579  
<211> 323  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

1945

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>

## 1946

<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<400> 2579  
gatccaggcc gggcccgagc agtactcagc ctgagtaaac tcgttgcccg gaagccctga 60  
cctgggtggac tacaccctgt caancccagc acgtgctgnt ganacancca gaacccgcgg 120  
cgggacgcac tgangagggc cntnagtcag tacctgacgg acaggggttcn ctggagggac 180  
tgaagacggc cnggccacc atggcggcac aacanccccc gatacccatg ccagtgtgtg 240  
tgccaaggat cancggtcac cacccatgac tgctgccctc ggcacanggg cctngnccac 300  
tggatgtgac cttcntccat cat 323

<210> 2580  
<211> 546  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

1947

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (508)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (521)  
<223> n equals a,t,g, or c

<400> 2580  
gnttttgggggt catc'cccttt ggccacaaag tcaactggcca tgtgctgcac atcctcctca 60  
agatgacatt catcgtccaa cgaccggtgg ctgctgctcc cttaggctct cccaaccaca 120  
gtttctccca attgctccaa atattcctca gccagcagg tgggggaaat ggccaagggg 180  
tctgtaactt cagaaatgaa tgattgggac cagtctgtct cattataatc ctgaattaca 240  
tccacagcat ctccagctgc aagtcactct gggcccagtt ctcagacaag gccaagtcgg 300  
ncacaccagg ggctctctgg ggagcctgga ggaagtttga ctcttnagtc tgctgcatct 360  
cagccaggag ttcatccatc ttcaaggctc gaggggcacg ggatacaagg gtacactgtg 420  
gtcctgcagg aattnacca ccaattcatc ttnagaagct acteccaaag gctttggaga 480  
ctgcctcaga ggctggggct cggaggcngn gcanggggtca ngcgtcaggc cttagtgttt 540  
ctgctg 546

<210> 2581  
<211> 478  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)

1948

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

1949

&lt;400&gt; 2581

```
ncctgtggcg ggtgtgggga gcggagccca gagctcctgt ggggccgctg ctttggcggt 60
gggcccagcc gggagcagcc tctttcgaag gccgccgtga cctcttcaag ggcgtggaga 120
cggaagga aaggccccgg ttggggttcc agggcgccgg taacgttaac cggcgcccttg 180
cctgtcctct aaccgtcgct ccctcctccc cttagaagat gttctcgtcc gtggcgacc 240
tggcgcgggc gaacccttc aacacgccac atctgcagct ggtgcacgat ggtctcggg 300
acctccgag canctncca gggcccacgg gccanccccg ncgcctcgca acctgcagcc 360
gncgncgtgg aagagtacag ttgtgaattt ggctncgcga agtattatgc actgtgtggc 420
ttttggtggg gtcttaantt gnggtctgac acanactgnt ggggttcccc tggattta 478
```

&lt;210&gt; 2582

&lt;211&gt; 340

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (262)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (271)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c



## 1950

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2582

```
attcggcacn aggtgaaaag gggcttggtg ttaaggaatg aaaagtgcaa tgagaactat 60
accactgact tcattttcaa cctgtactct gaggagggga agggcatctt cgacagcagg 120
aanaatgtgc ttggtcacat gcagcagggg gggagcccaa ccccatTTga taggaatttt 180
gccactaaaa tgggcgccea ggctatgaac tggatntctg ggaaaatcaa aaaaaattac 240
cgtaatgggc ggaTctttgc cnatactcca natccggctt tgttcttggg atacttaaaa 300
ngcctgggtct tccancagtg gctgactgaa agacaacnat 340
```

&lt;210&gt; 2583

&lt;211&gt; 462

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (324)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (356)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (385)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (399)

## 1951

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 2583

```
aaggtgaaag agctgaagag ggctaagacg gtgctcacgg tcattaaatg gaaaggggaa 60
aaatccaagt atccacagac ttcgccatgc agaattgttct gctgcagatg gggctgcacg 120
tgctggcggg gaacggcatg ctgattcgtg aggcccggag ctacatcttg cgctgccatg 180
gctgtttcaa gacaacgtct gacatgagcc gagtgttctg ctcacactgt gggaacaaga 240
ccctgaagaa atgtccgtga ccgtcagcga caacngcacc cttgcacatg cacttctccc 300
gcaaccccaa ggtgctgaac ccncggggt ccggtactcn cttcccactc ccaaangggg 360
gcaaataccc atcaaccca tctcnccaaa gatcacnct ccctccactt gcaatctcca 420
aaaggccagg cnnaaaacca ctnttcccc taatactccc cg 462
```

<210> 2584

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 2584

```
cggtcgcccc caccggcccc atggcagccc ccggcgcccc agctgagtag ggctacatcc 60
ggaccgtcct gggccagcag atcctgggac aactggacag ctccagcctg gcgctgccct 120
ccgaggccaa gctgaagctg gcggggagca gcggccgagg cgccagaca gtcaagagcc 180
tgcggatcca ggagcaggtg cagcagaccc tcgnccggaa ggccgcagct ccgtgggcaa 240
cggaaatctt caccgaacca gcagtgttct gagtatgtct acaacctaca cttgttgaaa 300
atgattttgt tggaggccgt tcccctgttc 330
```

<210> 2585

<211> 273

<212> DNA

<213> Homo sapiens

<220>

## 1952

<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1953

<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<400> 2585  
gctcgtgncg attcggcacn agacgggggt cntcccatTT atcccagtggt ctcaacaact 60  
tntttgccct ccccttctcc nccatggctt cccancttga catgtctncc gtgggtggggg 120  
caggggnaaa gcatacncca gactcttgna acaagtgttc cncctgggga ctctgtcaca 180  
agctccatag aagcctctca agtcnantg cctctggaaa gnctctccaa ttacattcnc 240  
accaccctgt gccccaaaaa aggncccca tca 273

<210> 2586  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (431)  
<223> n equals a,t,g, or c

<220>

1954

<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (464)  
<223> n equals a,t,g, or c

<400> 2586  
gctctgacag tgacaaagag tggattgctg ctctgcgctg gaaatatcga agccgagagc 60  
aaaccctgtc ctccagtggc gaaagctggg agactctgcc ggggaaagaa gagcggggaac 120  
ctccacaggc taagggtgagt gccagcactg gcaccagccc tggccccggg gctagtgtcca 180  
gtgccggggc tggcgccggg gccaatgctg gcagcaatgg cagcaattac cttgaagaag 240  
ttcgagaacc atctcttcag gaagagcagg catccctgga agaaggagaa attccttggc 300  
tccagtacca tgagaatgac agtagcagtg agggggataa tgattctggt cacgagttga 360  
tgcaacctgg ggtattcatg ctggatggaa acacaacctt gaagatgact tcagtgtgan 420  
cgaagacctt naantggatt ggaaccttnt tgatggattt gcanatgggt taaggaatgg 480  
ct 482

<210> 2587  
<211> 478  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>

## 1955

<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<400> 2587  
gtctttgnac aatttaatgg gaaaagatgc accgacgctg tgggagacag acgacagtgt 60  
gtgcccacag agccctgtga ggatgctgag gatgactgcg gaaatgactt tcaatgcagt 120  
acaggcagat gcataaagat gcgacttcgg tgtaatggtg acaatgactg cggagacttt 180  
tcagatgagg atgattgtga aagtgagccc cgtccccctt gcagagacag agtggtagaa 240  
gagtctgagc tggcactaac agcaggctat gggatcaaca ttttagggat ggatccccta 300  
agcacacctt ttgacaatga gttctacaat ggactctgta accgggatcg ggatggaaac 360  
actctgacat actaccgaag accttgggaac gtggcttctt tgatctatga aaccaaaggc 420  
gagaaaaatt tcanaaccga acattcnaaa aacaaattgn ancatttaaa agtatcat 478

<210> 2588  
<211> 422  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<400> 2588  
ggaagaattc ctctgaaggg aacaagcatc acaagagtac acctctactc attcactgca 60

## 1956

gggatggatc tcagcaaacg ggaatatttt gtgctttggt aaatctctta gaaagtgcgg 120  
aaacagaaga ggtagtggat atttttcaag tggtaaaagc tctacgcaa gctaggccag 180  
gcatggtttc cacattcgag caatatcaat tcctatatga ccgtcattgc cagcacctac 240  
cctgctcaga atggacaagg taaagaaaaa caaccatcaa gaagataaaa ttgaatttga 300  
taatgaagtg gacaaagtaa agcaggatgc taattgtggt aatccacttg gtgccccaga 360  
aaagcttctg aagcanagga acaggctgaa nntntgaacc cncgagtggg cttgatgggc 420  
ca 422

<210> 2589

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 2589

gcagngggac aacgccgctg tcgccctgct gcagcccttc ctggtggtca ccaaggaggc 60  
ctttgacaga tcctttgagg tgaacctgcg tgcggtcac cagggtgcgc agattgtggc 120  
caggggctta atagcccggg agtcccaggg gccatcgtga atgtctccag ccagtgtctc 180  
cagcgggcag taactaacca tagcgtctac tgcctcacca aggggtgccct gggacatgct 240  
gaccaaggtg atggccctag agctcgggcc ccacaagctg tcccgggtga gatccgagtg 300  
aatgcagtaa accccacagt ggtgatgacg tccatgggcc aggccacctg gagtgacccc 360  
cacaaggcca agactatgct gaaccgaatc ccacttggca agtttgctga ggtagagcac 420  
gtggtgaacg gcctcctctt tctgctgagt ga 452

<210> 2590

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

1957

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c



1958

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (528)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (550)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (557)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (563)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (606)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (627)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (647)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (669)  
<223> n equals a,t,g, or c

## 1959

<220>  
 <221> misc feature  
 <222> (670)  
 <223> n equals a,t,g, or c

<400> 2590  
 ggacaatgnt tttcttttaa atactcagag gacaggatca ctgtggantc gaatcagaag 60  
 tgggtggctgg aattccacgc accgatcagt actgggaaaa gatctaattc gccgtggggc 120  
 tgtcgtgcca gtccctggggg cgagatcggg gtagaaatgc attttattct ttaagttcac 180  
 gtaagataca agtttcaggc agggctctgaa ggactggatt ggccaaacat cagacctgtc 240  
 ttccaaggag accaagtcct ggctacatcc cagcctgtgg ttacagtgcg gacaggccat 300  
 gtgagccacc gctgncagca cagagcgtn cttccccctgt agactgggtg ccaactcctg 360  
 gaacactgac tgtggccccc ttcgtgatcc atncatcttc agggagcnag acatatgacg 420  
 caggaatgga aagcggagtt nctaacagga tgaaagtcc ccnatcantt ccccantnc 480  
 cttcaagcaa gtanctttcc acatttgtca cannaaatta tangananat ggggtgttggg 540  
 agcccttttn gagaacncca gtnnttccag gccctgcac ttatcgagtt ttgcaatggt 600  
 tacaancctt ttgatctgtg ttcacntga attcttttaa tataaanttt ctttttctct 660  
 ctttatctnn tt 672

<210> 2591  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (9)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (24)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (88)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature